

LTW[®]

Innovator & Manufacturer of Waterproof
and Environment-Proof World

Short Form CATALOGUE

Complete range of waterproof
Connector and cable assembly

RJ45



DVI



NEW

Junction Box

Low Profile

NEW



DC Audio Jack
& Plug

NEW



Coaxial

Circular



LED



Cable Joiner

NEW



Power

Mini USB



USB &
IEEE 1394



Mini DIN

NEW

AP Box / Vent
Connector

Sensor



HDMI

NEW



Cable Gland

D-SUB



E-mail: sales@ltw-tech.com

URL: www.ltw-tech.com

APPLICATIONS



Solar Power



Marine Electronic Devices



Outdoor Wireless CPE



Medical Devices and Equipments



Outdoor LED Display



Wind Power Turbines

AND:

- Sensors
- DeviceNet, Profibus, Ethernet
- Data Acquisition Devices
- Telecommunication and Satellites Modems
- Industrial PC and POS
- Rugged Mobile and Handheld Terminals and Devices, Notebooks, POS
- Electric Motors

- Canbus and Automotive Electronic Equipments and Devices (Telematic, GPS, Fleet & Asset Management)
- CCTV and Security Devices
- RFID and Tagging Systems and Devices
- Military Commercial Equipments
- Weighing Scales
- Electronic Scoring

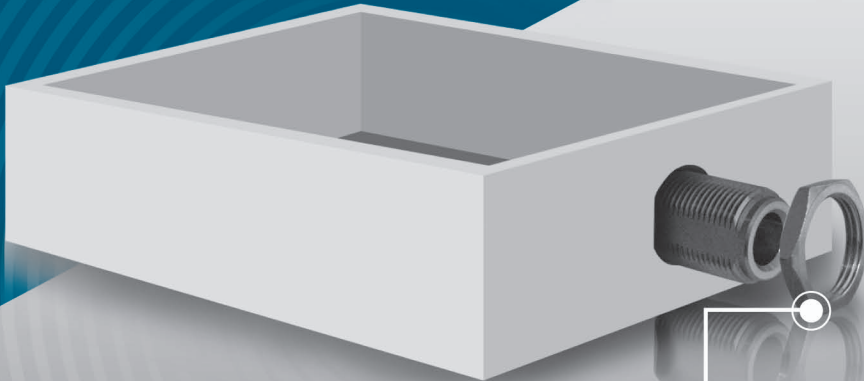
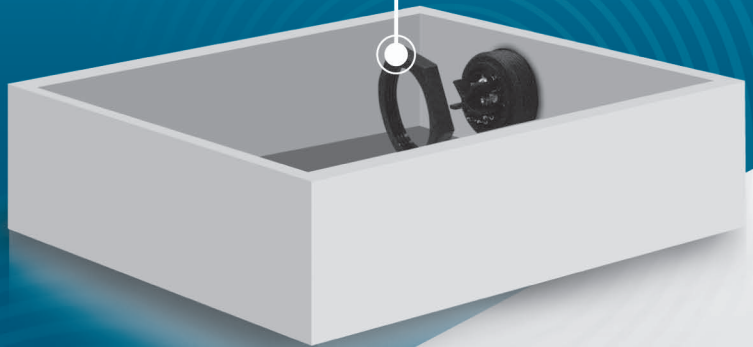
- Robotics
- Surveying and Telemetry Devices
- Measurements and Testing Equipments
- Batteries and Power Supply
- Traffic Systems and Signals
- Rugged and Outdoor Devices, Equipments and Machines

Many More.....

LTW[®]

Front and Rear Mount

Rear Mount



Front Mount





































































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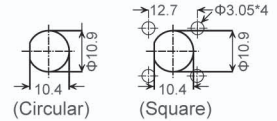
CIRCULAR SERIES

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	A Size (Mini Size) B Size (Standard Size) C Size (Middle Size) D Size (Large Size) E Size (Macro Size)
02 . Description	Panel Mount, Molded with Cable and Field Installable
03 . Current Rating / Pin Arrangements	A Size (Mini): 2A: 4 to 6, 5A: 2 and 3 B Size (Standard): 2A: 10 or 12, 5A: 2 to 8, 10A: 2 to 4, 5A+2A: 8, 10A+5A: 6 C Size (Middle): 2A: 18, 5A: 7 to 14, 10A: 4 to 6, 20A: 3, 5A+2A: 12 or 14, 10A+5A: 8 D Size (Large): 2A: 20 to 22, 5A: 18, 20A: 2 to 7 E Size (Macro): 5A: 31, 25A: 3
04 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: Nylon + GF, UL Recognized
05 . Temperature Range	Cable: -20°C to + 80°C Connector Body: -40°C to +105°C
06 . Waterproof Rating	IP66 and IP67(Per IEC60590)
07 . Contact Resistance	≤10MΩ
08 . Insulation Resistance	≥100MΩ at DC 500V
09 . Durability	3000 Plug / Unplug Cycles Minimum
10 . Breakdown Voltage	≥AC 1000V/1 Minute, ≥ 500V / 1 Minute (1.5~5A)
11 . Corrosion	48 Hours Salt Spray Contact
12 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UL2464 PVC Jacket)
13 . Field Installable	All Solder Contacts Except For D Size (Large) 20A

CIRCULAR CONNECTOR

A Size (Mini Size)									
	2A:4	2A:5	2A:6	5A:2	5A:3				
B Size (Standard Size)									
	2A:10	2A:12	5A:2	5A:2	5A:3	5A:3	5A:4	5A:4	5A:4
									
	5A:5	5A:5	5A:5	5A:6	5A:6	5A:7	5A:8	10A:2	10A:2
									
	10A:3	10A:3	10A:4	5A+2A:8	10A+5A:6				
C Size (Middle Size)									
	2A:18	5A:7	5A:7	5A:8	5A:8	5A:9	5A:9	5A:10	
									
	5A:12	5A:14	10A:4	10A:4	10A:5	10A:5	10A:6	20A:3	
									
	5A+2A:12	5A+2A:14	10A+5A:8	10A+5A:8					
D Size (Large Size)									
	2A:20	2A:21	2A:22	5A:18	5A:18				
									
	20A:2	20A:3	20A:4	20A:5	20A:6	20A:7			
E Size (Macro Size)									
	5A:31	25A:3							
 2A  5A  10A  20A  25A  Male Conn (Female or Male Pin)  Female Conn (Female or Male Pin)									

Panel (Chassis) Plastic



Pin	2A: 4 to 6 5A: 2 and 3				
Mating Style	Screw (Thread) Rear or Front Mount	Lock (Bayonet) Rear or Front Mount		Front Mount	Rear Mount
Assembly Style	PCB 180° (P) or Solder(S)	Front Mount-Screw PCB(P) Solder(S)	Front Mount-Lock PCB(P) Solder(S)	Rear Mount-Screw Solder(S)	Rear Mount-Lock Solder(S)

Mating Part	Molded with Cable (with or Without SR) or Field Installable					
	with SR	Without SR	Field Installable	Cable to Cable(In-Line)	with SR	Without SR

Accessories	I Adaptor	T Adaptor	T Cable	Extension Cord	Waterproof Cover
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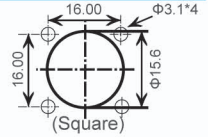
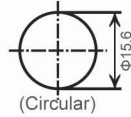
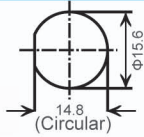
Panel (Chassis) Metal



Pin	2A: 4 to 6 5A: 2 and 3				
Mating Style	Lock (Bayonet) Front Mount				Front Mount
Assembly Style	PCB 180° (P) or Solder(S)			Front Mount-Lock PCB(P)	Front Mount-Lock Solder(S)

Mating Part	Molded with Cable (with or Without SR) or Field Installable			with SR	Without SR	Field Installable
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Accessories	I Adaptor	T Adaptor	T Cable	Extension Cord	Waterproof Cover
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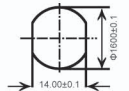
Panel (Chassis) Plastic

Pin	2A : 10 or 12 5A : 2 to 8	10A: 2 to 4 5A + 2A : 8	10A +5A: 6		
Mating Style	Screw (Thread) Rear or Front Mount		Lock (Bayonet) Rear or Front Mount	Front Mount	Rear Mount
Assembly Style	PCB 180° (P) or PCB 90° (R) or Solder(S)	Front Mount-Screw PCB(P) Solder(S)	Front Mount-Lock PCB(P) Solder(S)	Rear Mount-Screw Solder(S)	Rear Mount-Lock Solder(S)
		Front Mount-Screw PCB(R)	Front Mount-Lock PCB(R)		

Mating Part	Molded with Cable (with or Without SR) or Field Installable	
	with SR Without SR Field Installable	with SR Without SR

Accessories	I Adaptor T Adaptor T Cable Extension Cord Waterproof Cover Waterproof Cover With Rubber Lead or Fish Line or Chain
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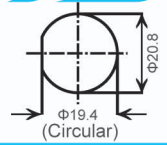
Panel (Chassis) Metal



Pin	2A: 10 5A: 4 to 8			
Mating Style	Screw (Thread) Rear or Front Mount	Front Mount	Rear Mount	
Assembly Style	PCB 180° (P) or Solder(S)	Front Mount-Screw PCB(P) Solder(S)	Rear Mount-Screw Solder(S)	
Mating Part	Molded with Cable (Without SR) or Field Installable			
		Without SR	Without SR	Field Installable
Accessories	Waterproof Cover			

Circular C Size (Middle Size)

05



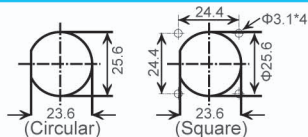
Panel (Chassis) Plastic



Pin	2A : 18 5A : 7 to 14 10A: 4 to 6 20A: 3 5A+2A :12 or 14 10A+5A: 8				
Mating Style	Screw (Thread) Rear or Front Mount	Lock (Bayonet) Rear or Front Mount	Front Mount	Rear Mount	
Assembly Style	PCB 180° (P) or Solder(S)	Front Mount-Screw PCB(P) Solder(S)	Front Mount-Lock PCB(P) Solder(S)	Rear Mount-Screw Solder(S)	Rear Mount-Lock Solder(S)

Mating Part	Molded with Cable (with or Without SR) or Field Installable				
	with SR	Without SR	Field Installable	Cable to Cable(In-Line) Without SR	With SR

Accessories	Dummy Cover	Waterproof Cover (Metal) With Rubber Lead or Fish Line or Chain	Waterproof Cover With Rubber Lead	Waterproof Cover With Fish Line	Waterproof Cover With Chain
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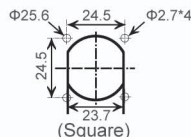
Panel (Chassis) Plastic

Pin	2A : 20 to 22 5A : 18 20A: 2 to 7				
Mating Style	Screw (Thread) Rear or Front Mount	Lock (Bayonet) Rear or Front Mount		Front Mount Rear Mount	
Assembly Style	PCB 180° (P) or Solder(S)	Front Mount-Screw PCB(P) Solder(S)	Front Mount-Lock PCB(P) Solder(S)	Rear Mount-Screw Solder(S)	Rear Mount-Lock Solder(S)

Mating Part	Molded with Cable (with or Without SR) or Field Installable			
	with SR Field Installable (Screw-In Termination Contacts Are Available)	Cable to Cable(In-Line)		with SR Without SR

Accessories	Waterproof Cover	
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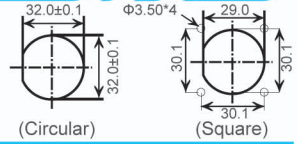
Panel (Chassis) Metal



Pin	5A: 18		Front Mount
Mating Style	Screw (Thread) Front Mount		
Assembly Style	PCB 180° (P) or Solder(S)		Front Mount-Screw PCB(P) Solder(S)
Mating Part	Molded with Cable (Without SR)		Without SR

Circular E Size (Macro Size)

07



Panel (Chassis) Plastic

Pin	5A: 31 25A: 3	
Mating Style	Lock (Bayonet) Front Mount	Front Mount
Assembly Style	PCB 180° (P) or Solder(S)	NEW 25A:3 Screw-In Termination Front Mount-Lock PCB(P) Solder(S)

Mating Part	Molded with Cable (with SR)	NEW 25A:3 Cable to Cable(In-Line) with SR
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RJ45 SERIES**NO. SPECIFICATIONS**

01 . Identifications	RJ45 Jack and plug
02 . Description	Panel Mount, Molded with Cable and Field Installable
03 . Data	100 Base, 100 Base T and 1000 Base T Networks Cat 5E per TIA or EIA 568B Class D per ISO / IEC 11801
04 . Category	Option 1: Cat. 5E Option 2: Cat. 5E Option 3: Cat. 6 or 5E Option 5: Cat. 5E Option 6: Cat. 5E
05 . Material	Contacts: Copper Alloy with Gold Plated Connector Body: PBT(Jack), Polycarbonate(Plug)
06 . Temperature Range	-20°C to +80 C
07 . Waterproof Rating	IP67, IP68
08 . Durability	500 Cycles
09 . Flame Test	UL / CSA FT4 Flame Test
10 . Thermal shock	5 Cycles at -20°C to +80°C
11 . Salt Spray	48 hrs
12 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UTP or FTP (Cat.5E))

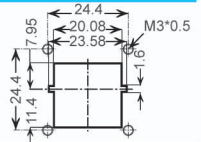


Panel (Chassis) Mount

Connector NO.1  LTWRJ-5EPFFD-SC7001	Features Screw Type Cat 5E Punch Down Wiring IP67 When Mated	Connector NO.6  LTWRJS-5EPFFJ-SC7002 (Without Ground Pin) LTWRJS-5EPFFJ-SC7003 (With Ground Pin)	Features Screw Type Cat 5E Shielded Jack Termination With or Without Ground Pin IP67 When Mated
Connector NO.2  LTWRJS-5EPFFJ-SC7001	Features Screw Type Cat 5E, Shielded 90° Jack Termination IP67 When Mated	Connector NO.7  LTWRJ-5EAFFM-SL7xxx (Unshielded) LTWRJS-5EAFFM-SL7xxx (Shielded)	Features Screw Type Cat 5E Shielded or Unshielded In-line Molded Type(Cable to Cable) IP67 (Unmated) Stand Alone
Connector NO.3  LTWRJS-5EPFFJ-SC7004	Features Screw Type Cat 5E, Shielded Jack Termination With Ground Pin IP67 (Unmated) Stand Alone	Connector NO.8  LTWRJS-5EPFFJ-SC7005 (With Ground Pin) LTWRJS-5EPFFJ-SC7006 (Without Ground Pin)	Features Screw Type Cat 5E Shielded Ready to Connect With or Without Ground Pin IP67 When Mated
Connector NO.4  LTWRJS-5EPFFJ-SC7008	Features Metal Connector, Screw Type Cat 5E, Shielded Jack Termination IP67 (Unmated) Stand Alone		
Connector NO.5  LTWRJS-5EPFFJ-SC7009	Features Metal Connector, Screw Type Cat 5E, Shielded Flying Leads With RJ Pigtail IP67 (Unmated) Stand Alone		

Mating Part	 Screw Type Field Installable for On Site Termination RJ45 Plug, IP67 When Mated	 Screw Type Field Installable for On Site Termination RJ45 Plug, IP67 When Mated
	 Screw Type Cat 5 or 5E, FTP or UTP Shielded or Unshielded Molded Type IP67 (Unmated) Stand Alone	 Screw Type, Metal Nut Field Installable for On Site Termination RJ45 Plug, IP67 When Mated Mating pair of connector NO.4 & 5

Accessories	 Dummy Cover	 Waterproof Cover (Metal) With Rubber Lead or Fish Line or Chain	 Waterproof Cover With Rubber Lead	 Waterproof Cover With Fish Line	 Waterproof Cover With Chain
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Panel (Chassis) Mount

Connector NO.1



LTWRJS-5EPFFJ-SS7001

Features

Screw Type
Cat 5E, Shielded
Jack Termination
IP67 When Mated

Connector NO.3



LTWRJS-5EPFFD-SS7002

Features

Screw Type
Cat 5E, Shielded
Punch Down Wiring
IP67 When Mated

Connector NO.2



LTWRJS-5EPFFJ-SS7002

Features

Screw Type, Cat 5E, Shielded
Ready to Connect
Flying Leads With RJ Pigtail
IP67 When Mated

Connector NO.4



LTWRJS-00PFFR-SS7001

Features

Screw Type
Shielded
PCB 90°
IP67 When Mated

Mating Part



Screw Type
Unshielded
Field Installable for
On Site Termination
RJ45 Plug, IP67 When Mated



Screw Type
Unshielded
Field Installable for
On Site Termination
IP67 When Mated



Screw Type
Cat 5 or 5E
Shielded
IP67 (Unmated) Stand Alone



Screw Type
Cat 5 or 5E
Shielded
IP67 (Unmated) Stand Alone

Accessories



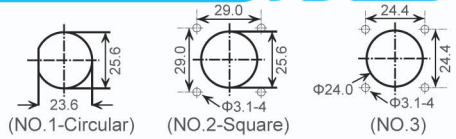
Waterproof Cover
With Chain



Waterproof Cover
With Rubber Lead



Waterproof Cover
With Fish Line



Panel (Chassis) Mount

Connector NO.1



LTWRJS-06PFFD-SC7001
(Cat 6)
LTWRJS-5EPFFD-SC7xxx
(Cat 5E)

Features

Screw Type
Cat 6 or 5E
Shielded
Punch Down Wiring
IP67 When Mated

Connector NO.3



LTWRJ-06PFFD-SS7001
(Cat 6)
LTWRJ-5EPFFD-SS7001
(Cat 5E)

Features

Screw Type
Cat 6 or 5E
Unshielded
Punch Down Wiring
IP67 When Mated

Connector NO.2



LTWRJS-06PFFD-SS7001
(Cat 6)
LTWRJS-5EPFFD-SS7001
(Cat 5E)

Features

Screw Type
Cat 6 or 5E
Shielded
Punch Down Wiring
IP67 When Mated

Mating Part



Screw Type
Field Installable Feed Thru for
Pre-Terminated Cable With Plug
RJ45 Plug
IP67 When Mated
Mating pair of connector NO.1 & 2



Screw Type
Field Installable Feed Thru for
Pre-Terminated Cable With Plug
RJ45 Plug
IP67 When Mated
Mating pair of connector NO.3

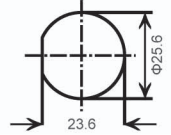
Accessories



Waterproof Cover
With Chain
Accessories for connector NO.3



Waterproof Cover
With Rubber Lead
Accessories for connector NO.3



Panel (Chassis) Mount

Connector NO.1



LTWRJS-00PFFJ-SC7001

Features

Screw Type
Panel With Cover
IP67 When Mated

Connector NO.3



LTWRJS-00PFFA-SC7001

Features

Screw Type
Panel
In-Line Shielded
Field Installable Feed Thru
IP67 When Mated

Connector NO.2



LTWRJS-00BFFA-SL7001

Features

Screw Type
Panel
In-Line Shielded
Field Installable Feed Thru
IP67 When Mated

Accessories



Waterproof Cover
With Rubber Lead
Accessories for connector NO.3

RJ45 Option 5 Panel Mount Screw Type

Panel (Chassis) Mount

Connector NO.1

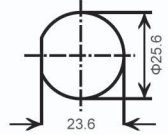


LTWRJS-5EPFFJ-SC7007



NEW

Features

Cat 5E, Unshielded
RJ45 Non-Waterproof
With Ground Pin
Field Installable Feed Thru
IP67 When Mated



Panel (Chassis) Mount

<p>Connector NO.1</p>  <p>LTWRJ-5EPFFP-LC7001 (Unshielded) LTWRJS-5EPFFP-LC7001 (Shielded)</p>	<p>Features</p> <p>Lock Type Cat 5E Unshielded or Shielded 180° PCB Type IP67 (Unmated) Stand Alone</p>	<p>Connector NO.2</p>  <p>LTWRJS-05AMMM-LR7xxx (Cat 5) LTWRJS-5EAMMM-LR7xxx (Cat 5E)</p>	<p>Features</p> <p>Lock Type Cat 5 or 5E Shielded Panel With Pigtail IP67 (Unmated) Stand Alone</p>
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<p>Mating Part</p>	 <p>Lock Type Cat 5 or 5E, Shielded 180° Molded Type (Cable to Cable) IP67 (Unmated) Stand Alone</p>	 <p>Lock Type Cat 5 or 5E, Shielded 90° Molded Type (Cable to Cable) IP67 (Unmated) Stand Alone</p>
	 <p>Lock Type Field Installable for On Site Termination IP67 When Mated</p>	 <p>Lock Type Field Installable for On Site Termination IP67 When Mated</p>

<p>Accessories</p>	 <p>Waterproof Cover With Chain</p>	 <p>Waterproof Cover With Rubber Lead</p>
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RJ45 Option 7 Cable Gland

Panel (Chassis) Mount

<p>Connector NO.1</p>  <p>LTWCSG-16G010</p>	<p>Features</p> <p>NEW Screw Type Cable Range Φ 10.0MM to Φ14.0MM IP68 When Mated Feed Thru</p>
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SENSOR SERIES

NO. SPECIFICATIONS	STANDARD VALUE
0 1 . Identifications	M8, M10.5, M12, M12 B-Coded, M12 D-Coded, M12 I-Style
0 2 . Description	Panel Mount, Molded with Cable and Field Installable
0 3 . Current Rating / Pin Arrangements	M8: 5A: 3 and 4 M10.5: 2A: 2 to 5 M12: 2A: 8, 5A: 3 to 5 M12 B-Coded: 5A: 4 and 5 M12 D-Coded: 5A: 4 and 5 M12 I-Style: 5A: 5
0 4 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: Nylon + GF or PU, UL Recognized Shield: Zinc Alloy or Copper Alloy, Nickel Plated
0 5 . Temperature Range	Cable: -25°C to + 90°C (PU), -20°C to + 80°C (PVC) Connector Body: -25°C to + 90°C
0 6 . Waterproof Rating	IP65, IP66, IP67, IP68
0 7 . Contact Resistance	≤10MΩ
0 8 . Insulation Resistance	≥100MΩ at DC 500V
0 9 . Durability	3000 Plug / Unplug Cycles Minimum
1 0 . Breakdown Voltage	≥AC 500V / 1 Minute
1 2 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UL2464 PVC Jacket or PU)
1 3 . Field Installable	All Solder Contacts Unless And Otherwise Indicated

SENSOR CONNECTOR

M8



5A:3



5A:4

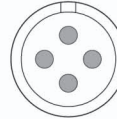
M10.5



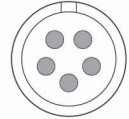
2A:2



2A:3

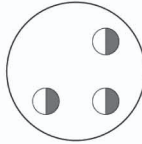


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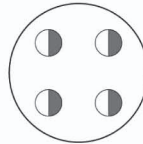


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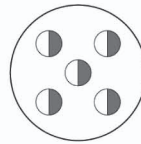
M12



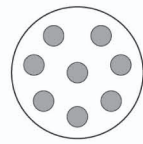
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5A:4

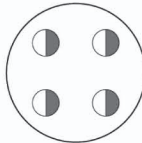


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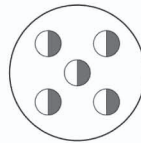


2A:8

M12 B-Coded

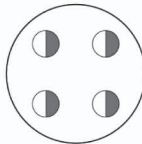


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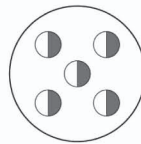


5A:5

M12 D-Coded

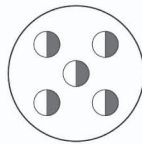


5A:4



5A:5

M12 I-Style



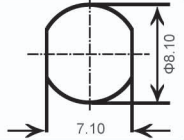
5A:5



Female Conn Female Pin
Male Conn Male Pin



Female Conn Male Pin
Male Conn Female Pin



Panel (Chassis) Mount

Connector NO.1

Features

Screw Type, Solder Contacts
Rear Mounted
IP67 (Unmated) Stand Alone
▲→5A: 3 and 4



Mating Part



180°
With SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) With SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
5A: 3 and 4



180°
Without SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) Without SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
5A: 3 and 4



90°
With SR



90°
Without SR

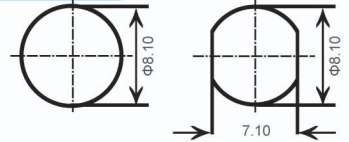


NEW Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 4

Accessories



Cap-Screw (for Female)



Panel (Chassis) Mount

Connector NO.1



Front Mounting
 LTW8P-△PMMS-SF7001 (Solder)
 LTW8P-△PMMP-SF7001 (PCB)

Features

Quick Type
 Screw Type
 Hexagonal Flange Front Mounted
 Solder or PCB Contacts
 IP67 (Unmated) Stand Alone
 △→5A: 3 and 4

Connector NO.3



Front Mounting
 LTW8-△PMMS-SF7001 (Solder)
 LTW8-△PMMP-SF7001 (PCB)

Features

Screw Type
 Hexagonal Flange Front Mounted
 Solder or PCB Contacts
 IP67 (Unmated) Stand Alone
 △→5A: 3 and 4

Connector NO.2



Rear Mounting
 LTW8-△PMMS-SH7001

Features

Screw Type, Solder Contacts
 Rear Mounted
 IP67 (Unmated) Stand Alone
 △→5A: 3 and 4

Mating Part

Screw Type
 180° or 90° In-line Molded Type
 (Cable to Cable) With SR
 PVC or PU Cable
 IP67 (Unmated) Stand Alone
 5A: 3 and 4
 Mating pair of connector NO.2 & 3

Screw Type
 180° or 90° In-line Molded Type
 (Cable to Cable) Without SR
 PVC or PU Cable
 IP67 (Unmated) Stand Alone
 5A: 3 and 4
 Mating pair of connector NO.2 & 3

Quick Type
 180° In-line Molded Type
 (Cable to Cable) With SR
 PVC or PU Cable
 IP65 (Unmated) Stand Alone
 5A: 3 and 4
 Mating pair of connector NO.1

NEW Screw Type
 Screw In Termination
 180° or 90° Field Installable
 IP67 When Mated
 5A: 4

Accessories



Cap-Screw (for Male)

Field Installable

Connector NO.1



NEW

LTW8P-04BMMB-SL7001

Features

Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 4

Mating Part



NEW

Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 4

Accessories



Cap-Screw (for Female)



Cap-Screw (for Male)

M10.5 Sensor Male Panel (2A)



Panel (Chassis) Mount

Connector NO.1



Rear Mounting

LTW105-PMFS-SC7001

Features

Screw Type
Solder Contacts
Circular Rear Mounted
IP67 (Unmated) Stand Alone
→2A: 2 to 5

Connector NO.2

No Drawing
or
Picture

LTW105-PMFS-SH7001

Features

Screw Type
Solder Contacts
Hexagonal Rear Mounted
IP67 (Unmated) Stand Alone
→2A: 2 to 5

Mating Part



180°
With SR



90°
With SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable)With SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
2A: 2 to 5

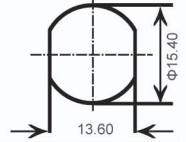


180°
Without SR



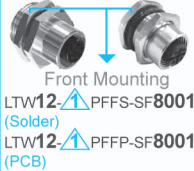
90°
Without SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable)Without SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
2A: 2 to 5



Panel (Chassis) Mount

Connector NO.1



Features

Screw Type
Hexagonal Flange Front Mounted
Solder or PCB Contacts
IP68 (Unmated) Stand Alone
▲→2A: 8, 5A: 3 to 5

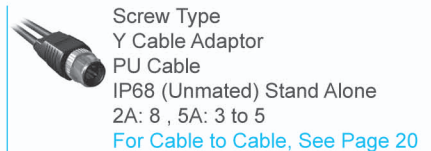
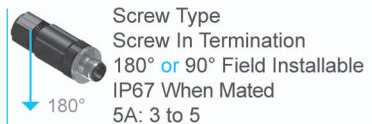
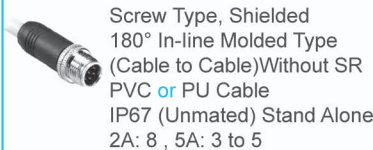
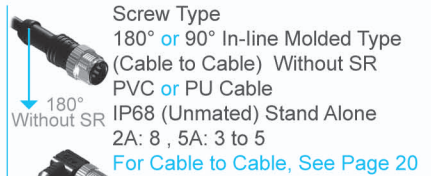
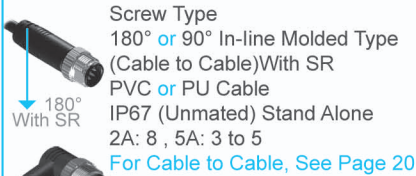
Connector NO.2



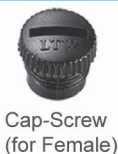
Features

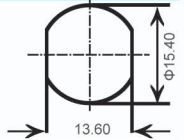
Screw Type
Rear Mounted
Solder Contacts
IP68 (Unmated) Stand Alone
▲→2A: 8, 5A: 3 to 5

Mating Part



Accessories





Panel (Chassis) Mount

Connector NO.1



Features

Screw Type
Hexagonal Flange Front Mounted
Solder or PCB Contacts
IP68 (Unmated) Stand Alone
▲→2A: 8, 5A: 3 to 5

Connector NO.2



Features

Screw Type
Rear Mounted
Solder Contacts
IP68 (Unmated) Stand Alone
▲→2A: 8, 5A: 3 to 5

Mating Part

Screw Type
180° or 90° In-line Molded Type (Cable to Cable) With SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
2A: 8, 5A: 3 to 5
For Cable to Cable, See Page 19



Screw Type
180° or 90° In-line Molded Type (Cable to Cable) Without SR
PVC or PU Cable
IP68 (Unmated) Stand Alone
2A: 8, 5A: 3 to 5
For Cable to Cable, See Page 19



Screw Type, Shielded
180° In-line Molded Type (Cable to Cable) Without SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
2A: 8, 5A: 3 to 5



Screw Type, LED
90° In-line Molded Type (Cable to Cable) Without SR
PVC or PU Cable
IP67 (Unmated) Stand Alone
5A: 4 and 5



Screw Type
Solder Contacts
Field Installable
IP68 When Mated
2A: 8, 5A: 3 to 5



Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 3 to 5



Screw Type
Y Cable Adaptor
PU Cable
IP68 (Unmated) Stand Alone
2A: 8, 5A: 3 to 5
For Cable to Cable, See Page 19



Accessories



Cap-Screw (for Male)



T Cable



T Adaptor









I Adaptor



Y Adaptor

Field Installable

<p>Connector NO.1</p>  <p>180° LTW12P-08BMMM-SL8XXX (180°) LTW12P-08BMMM-SR8XXX (90°)</p>	<p>Features</p> <p>Screw Type 180° or 90° In-line Molded Type (Cable to Cable)Without SR IP68 (Unmated) Stand Alone 2A: 8</p>	<p>Connector NO.2</p>  <p>LTW12P-08BMMA-SL8001</p>	<p>Features</p> <p>Screw Type Solder Contacts Field Installable IP68 When Mated 2A: 8</p>
<p>Mating Part</p>  <p>180° Without SR 2A: 8</p> <p>90° Without SR</p>	<p>Screw Type 180° or 90° In-line Molded Type (Cable to Cable)Without SR IP68 (Unmated) Stand Alone 2A: 8</p>	 <p>Screw Type Solder Contacts Field Installable IP68 When Mated 2A: 8</p>	
<p>Accessories</p>	 <p>Cap-Screw (for Female)</p>	 <p>Cap-Screw (for Male)</p>	

Field Installable

Connector NO.1



LTW12P-△BMMMS-SC8001

Features

Screw Type
Solder Contacts
Rear Mounted
IP68 (Unmated) Stand Alone
△→5A: 3 to 5

Connector NO.3



LTW12P-△BMMMA-SL8001

Features

Screw Type
Solder Contacts
Field Installable
IP68 When Mated
△→5A: 3 to 5

Connector NO.2



180°
LTW12P-△BMMM-SL8XXX
(180°)
90°
LTW12P-△BMMM-SR8XXX
(90°)

Features

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable)Without SR
IP68 (Unmated) Stand Alone
△→5A: 3 to 5

Connector NO.4



180°
LTW12P-△BMMB-SL8001
(180°)
90°
LTW12P-△BMMB-SR8001
(90°)

Features

Screw Type
Screw In Termination
180° or 90° In-line Molded Type
(Cable to Cable)Field Installable
IP68 When Mated
△→5A: 3 to 5

Mating Part



Screw Type
180° or 90° In-line Molded Type
(Cable to Cable)Without SR
IP68 (Unmated) Stand Alone
5A: 3 to 5



Screw Type
Screw In Termination
180° or 90° Field Installable
IP68 When Mated
5A: 3 to 5



Screw Type
Solder Contacts
Field Installable
IP68 When Mated
5A: 3 to 5

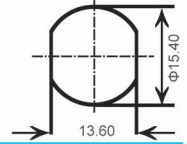
Accessories



Cap-Screw (for Female)



Cap-Screw (for Male)



Panel (Chassis) Mount

Connector NO.1



LTW12B-▲PFFS-SF8001
(Solder)
LTW12B-▲PFFP-SF8001
(PCB)

Features

Screw Type
Hexagonal Flange Front Mounted
Solder or PCB Contacts
IP68 (Unmated) Stand Alone
▲→5A: 4 and 5

Connector NO.2



LTW12B-▲PFFS-SH8001

Features

Screw Type
Rear Mounted
Solder Contacts
IP68 (Unmated) Stand Alone
▲→5A: 4 and 5

Mating Part



180°
Without SR



90°
Without SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) Without SR
PVC or PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5
For Cable to Cable, See Page 24



180°



90°

Screw Type
Screw In Termination
180° or 90° Field Installable
IP68 When Mated
5A: 4 and 5



Screw Type
Solder Contacts
Field Installable
IP68 When Mated
5A: 4 and 5



Screw Type
Y Cable Adaptor
PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5
For Cable to Cable, See Page 24

Accessories



Cap-Screw
(for Female)



T Cable



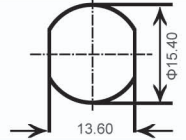
T Adaptor



I Adaptor



Y Adaptor



Panel (Chassis) Mount

Connector NO.1



LTW12B-▲PMMS-SF8001
(Solder)
LTW12B-▲PMMP-SF8001
(PCB)

Features

Screw Type
Hexagonal Flange
Solder or PCB Contacts
IP68 (Unmated) Stand Alone
▲→5A: 4 and 5

Connector NO.2



Rear Mounting
LTW12B-▲PMMS-SH8001

Features

Screw Type
Rear Mounted
Solder Contacts
IP68 (Unmated) Stand Alone
▲→5A: 4 and 5

Mating Part

180° Without SR
90° Without SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) Without SR
PVC or PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5
For Cable to Cable, See Page 23

180°
90°

Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 4 and 5

Screw Type
Solder Contacts
Field Installable
IP68 When Mated
5A: 4 and 5

Screw Type
Y Cable Adaptor
PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5
For Cable to Cable, See Page 23

Accessories



Cap-Screw
(for Male)



T Cable



T Adaptor



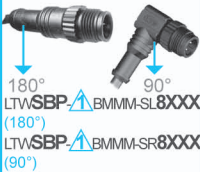
I Adaptor



Y Adaptor

Field Installable

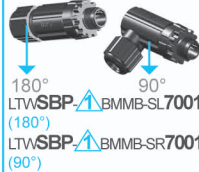
Connector NO.1



Features

Screw Type
 180° or 90° In-line Molded Type
 (Cable to Cable) Without SR
 Solder or PCB Contacts
 IP68 (Unmated) Stand Alone
 →5A: 4 and 5

Connector NO.3



Features

Screw Type
 Screw In Termination
 180° or 90° Field Installable
 IP67 When Mated
 →5A: 4 and 5

Connector NO.2



Features

Screw Type
 Solder Contacts
 Field Installable
 IP68 When Mated
 →5A: 4 and 5

Mating Part



Screw Type
 180° or 90° In-line Molded Type
 (Cable to Cable) Without SR
 PVC or PU Cable
 IP68 (Unmated) Stand Alone
 5A: 4 and 5



Screw Type
 Solder Type
 180° or 90° Field Installable
 IP67 When Mated
 5A: 4 and 5



Screw Type
 Solder Contacts
 Field Installable
 IP68 When Mated
 5A: 4 and 5

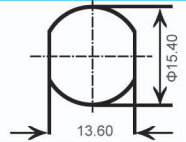
Accessories



Cap-Screw (for Female)



Cap-Screw (for Male)



Panel (Chassis) Mount

Connector NO.1



LTW12D-▲PFFS-SF8001
(Solder)

LTW12D-▲PFFP-SF8001
(PCB)

Features

Screw Type
Hexagonal Flange Front Mounted
Solder or PCB Contacts
IP68 (Unmated) Stand Alone
▲→5A: 4 and 5

Connector NO.2



LTW12D-▲PFFS-SH8001

Features

Screw Type
Rear Mounted
Solder Contacts
IP68 (Unmated) Stand Alone
▲→5A: 4 and 5

Mating Part



180°
Without SR



90°
Without SR

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) Without SR
PVC or PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5

For Cable to Cable, See Page 27



180°



90°

Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 4 and 5



Screw Type
Solder Contacts
Field Installable
IP68 When Mated
5A: 4 and 5



Screw Type
Y Cable Adaptor
PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5
For Cable to Cable, See Page 27

Accessories



Cap-Screw
(for Female)



T Cable



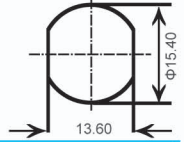
T Adaptor



I Adaptor



Y Adaptor



Panel (Chassis) Mount

Connector NO.1



Front Mounting
 LTW12D-▲PMMS-SF8001 (Solder)
 LTW12D-▲PMMP-SF8001 (PCB)

Features

Screw Type
 Hexagonal Flange Front Mounted
 Solder or PCB Contacts
 IP68 (Unmated) Stand Alone
 ▲→5A: 4 and 5

Connector NO.2



Rear Mounting
 LTW12D-▲PMMS-SH8001

Features

Screw Type
 Rear Mounted
 Solder Contacts
 IP68 (Unmated) Stand Alone
 ▲→5A: 4 and 5

Mating Part



180° Without SR



90° Without SR

Screw Type
 180° or 90° In-line Molded Type
 (Cable to Cable) Without SR
 PVC or PU Cable
 IP68 (Unmated) Stand Alone
 5A: 4 and 5
 For Cable to Cable, See Page 26



180°



90°

Screw Type
 Screw In Termination
 180° or 90° Field Installable
 IP67 When Mated
 5A: 4 and 5



Screw Type
 Solder Contacts
 Field Installable
 IP68 When Mated
 5A: 4 and 5



Screw Type
 Y Cable Adaptor
 PU Cable
 IP68 (Unmated) Stand Alone
 5A: 4 and 5
 For Cable to Cable, See Page 26

Accessories



Cap-Screw (for Male)



T Cable



T Adaptor



I Adaptor



Y Adaptor

Field Installable

Connector NO.1



180°
LTWSDP-△BMMM-SL8XXX
(180°)
90°
LTWSDP-△BMMM-SR8XXX
(90°)

Features

Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) Without SR
PVC or PU Cable
IP68 (Unmated) Stand Alone
△→5A: 4 and 5

Connector NO.3



180°
LTWSDP-△BMMB-SL7XXX
(180°)
90°
LTWSDP-△BMMB-SR7XXX
(90°)

Features

Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
△→5A: 4 and 5

Connector NO.2



LTWSDP-△BMM-SL8XXX

Features

Screw Type
Solder Contacts
Field Installable
IP68 When Mated
△→5A: 4 and 5

Mating Part



180°
Without SR
Screw Type
180° or 90° In-line Molded Type
(Cable to Cable) Without SR
PVC or PU Cable
IP68 (Unmated) Stand Alone
5A: 4 and 5



90°
Without SR



Screw Type
Screw In Termination
180° or 90° Field Installable
IP67 When Mated
5A: 4 and 5



90°



Screw Type
Solder Contacts
Field Installable
IP68 When Mated
5A: 4 and 5

Accessories













Cap-Screw (for Female)









Cap-Screw (for Male)

Panel (Chassis) Mount

<p>Connector NO.1</p>  <p>Front Mounting</p> <p>LTW12-05PFIS-SF8001 (Solder) LTW12-05PFIP-SF8001 (PCB)</p>	<p>Features</p> <p>Screw Type Hexagonal Flange Front Mounted Solder or PCB Contacts IP68 (Unmated) Stand Alone 5A: 5</p>	<p>Connector NO.2</p>  <p>Rear Mounting</p> <p>LTW12-05PFIS-SH8001</p>	<p>Features</p> <p>Screw Type Rear Mounted Solder Contacts IP68 (Unmated) Stand Alone 5A: 5</p>		
<p>Mating Part</p>  <p>180° Without SR</p>  <p>90° Without SR</p>		<p>Screw Type 180° or 90° In-line Molded Type (Cable to Cable) Without SR PVC or PU Cable IP68 (Unmated) Stand Alone 5A: 5 For Cable to Cable, See Page 30</p>		<p>Screw Type 180° or 90° In-line Molded Type (Cable to Cable) With SR</p>  <p>180° With SR</p>  <p>90° With SR</p> <p>For Cable to Cable, See Page 30</p>	
 <p>Screw Type Solder Contacts Field Installable IP68 When Mated 5A: 5</p>		 <p>Screw Type Y Cable Adaptor PVC or PU Cable IP68 (Unmated) Stand Alone 5A: 5 For Cable to Cable, See Page 30</p>			
<p>Accessories</p>  <p>Cap-Screw (for Female)</p>  <p>T Cable</p>  <p>T Adaptor</p>  <p>I Adaptor</p>  <p>Y Adaptor</p>					

Panel (Chassis) Mount



Connector NO.1	Features	Connector NO.2	Features
 <p>Front Mounting</p> <p>LTW12-05PMIS-SF8001 (Solder)</p> <p>LTW12-05PMIP-SF8001 (PCB)</p>	<p>Screw Type</p> <p>Hexagonal Backshell Front Mounted</p> <p>Solder or PCB Contacts</p> <p>IP68 (Unmated) Stand Alone</p> <p>5A: 5</p>	 <p>Rear Mounting</p> <p>LTW12-05PMIS-SH8001</p>	<p>Screw Type</p> <p>Rear Mounted</p> <p>Solder Contacts</p> <p>IP68 (Unmated) Stand Alone</p> <p>5A: 5</p>



Mating Part	
 <p>180° Without SR</p>  <p>90° Without SR</p>	 <p>180° With SR</p>  <p>90° With SR</p>
 <p>Screw Type</p> <p>Solder Contacts</p> <p>Field Installable</p> <p>IP68 When Mated</p> <p>5A: 5</p>	 <p>Screw Type</p> <p>Y Cable Adaptor</p> <p>PVC or PU Cable</p> <p>IP68 (Unmated) Stand Alone</p> <p>5A: 5</p> <p>For Cable to Cable, See Page 29</p>

Accessories	 <p>Cap-Screw (for Male)</p>	 <p>T Cable</p>	 <p>T Adaptor</p>	 <p>I Adaptor</p>	 <p>Y Adaptor</p>
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Field Installable

<p>Connector NO.1</p>  <p>180° LTW12P-05BMIM-SL8XXX (180°) 90° LTW12P-05BMIM-SR8XXX (90°)</p>	<p>Features</p> <p>Screw Type 180° or 90° In-line Molded Type (Cable to Cable) Without SR PVC or PU Cable IP68 (Unmated) Stand Alone 5A: 5</p>	<p>Connector NO.2</p>  <p>LTW12P-05BMIA-SL8XXX</p>	<p>Features</p> <p>Screw Type Solder Contacts Field Installable IP68 (Unmated) Stand Alone 5A: 5</p>
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<p>Mating Part</p>	 <p>180° Without SR 90° Without SR</p>	 <p>Screw Type Solder Contacts Field Installable IP68 When Mated 5A: 5</p>
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<p>Accessories</p>	 <p>Cap-Screw (for Female)</p>	 <p>Cap-Screw (for Male)</p>
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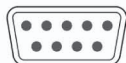
D-SUB SERIES

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	Standard D-Sub Connector High Density D-Sub Connector
02 . Description	Panel Mount, Molded with Cable and Field Installable
03 . Current Rating / Pin Arrangements	Standard D-Sub: 5A: 9, 15, 25, 37, 50 High Density D-Sub: 2A: 15, 26, 44, 62, 78
04 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: Nylon 9T or PBT, UL Recognized Shell: Steel, Nickel Plated
05 . Temperature Range	Cable: -20°C to + 80°C Connector Body: -40°C to +105°C
06 . Waterproof Rating	IP67(Per IEC60590), IP68
07 . Contact Resistance	≤20MΩ
08 . Insulation Resistance	≥500MΩ at DC 500V
09 . Breakdown Voltage	≥AC 500V / 1 Minute
10 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UL2464)
11 . Field Installable	All Solder Contacts Unless And Otherwise Indicated

D-SUB CONNECTOR

Standard D-Sub

Size 1

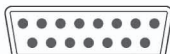


5A: 9 (Male)



5A: 9 (Female)

Size 2



5A: 15 (Male)



5A: 9 (Female)

Size 3



5A: 25 (Male)



5A: 25 (Female)

Size 4

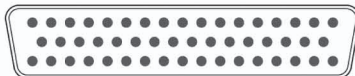


5A: 37 (Male)

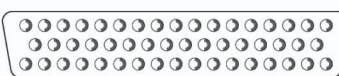


5A: 37 (Female)

Size 5



5A: 50 (Male)



5A: 50 (Female)

High Density D-Sub

Size 1

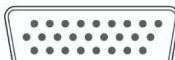


2A: 15 (Male)

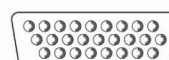


2A: 15 (Female)

Size 2

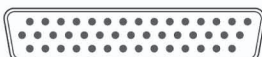


2A: 26 (Male)

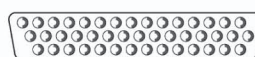


2A: 26 (Female)

Size 3



2A: 44 (Male)



2A: 44 (Female)

Size 4

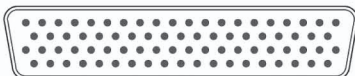


2A: 62 (Male)

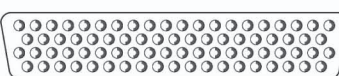


2A: 62 (Female)

Size 5



2A: 78 (Male)



2A: 78 (Female)

Male: •2A •5A

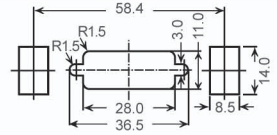
Female: ○2A ○5A



Male Conn
(Male Pin)



Female Conn
(Female Pin)



Panel (Chassis) Metal

Connector NO.1

Features



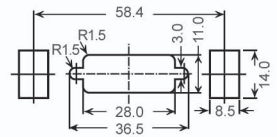
Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded, PCB or Solder Contacts
 IP68 (Unmated) Stand Alone
 5A: 15

Mating Part



Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded, Solder Contacts
 Field Installable
 IP67 When Mated
 5A: 15

High Density D-SUB Size 2 Push-Pull Type (2A)



Panel (Chassis) Metal

Connector NO.1

Features



Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded, PCB or Solder Contacts
 IP68 (Unmated) Stand Alone
 2A: 26

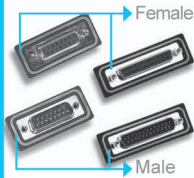
Mating Part



Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded, Solder Contacts
 Field Installable
 IP67 When Mated
 2A: 26

Panel (Chassis) Plastic

Connector NO.1



Features

Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded
 PCB or Solder Contacts
 IP67(5A: 37) or IP68(5A: 9, 15, 25)
 (Unmated) Stand Alone
 5A: 9, 15, 25, 37

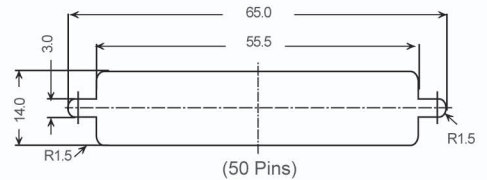
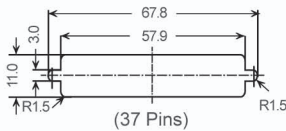
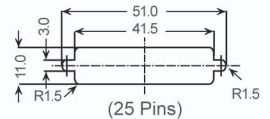
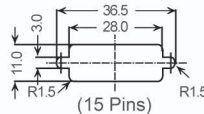
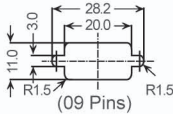
Connector NO.2



Features

Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded
 PCB or Solder Contacts
 IP67 (Unmated) Stand Alone
 5A: 50

Cut-Out



Mating Part



With SR



Without SR

Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded
 In-line Molded Type (Cable to Cable)With SR
 IP67 (Unmated) Stand Alone
 5A: 9, 15, 25, 37, 50
Mating pair of connector NO.1 & 2



Without SR



Without SR

Connector+Contact Gender: FF or MM Only (F-Female, M-Male)
 Shielded
 Solder Contacts
 Crimp Contact (10K Terminals/ Reel)
 Field Installable, without SR
 IP67 When Mated
 5A: 9, 15, 25
Mating pair of connector NO.1

Accessories



Waterproof Cover
(for Size 1 to 3)



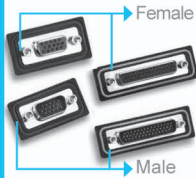
Joiner for Cable Connector
(for Size 1 to 3)



Dust Cap
(for Size 1 to 3)

Panel (Chassis) Mount

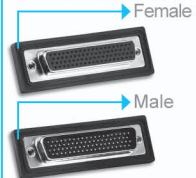
Connector NO.1



Features

Connector+Contact Gender: FF
 or MM Only (F-Female, M-Male)
 Shielded
 PCB or Solder Contacts
 IP67(2A: 62) or IP68(2A: 15, 26, 44)
 (Unmated) Stand Alone
 2A: 15, 26, 44, 62

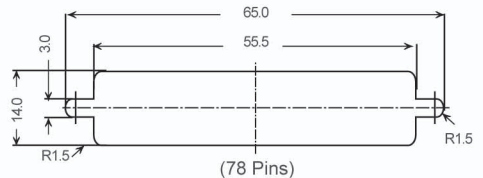
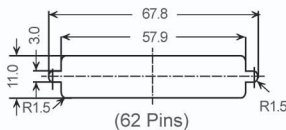
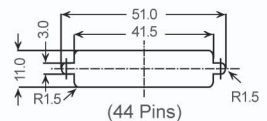
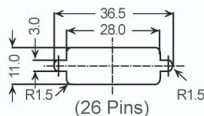
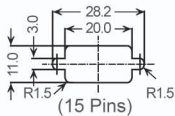
Connector NO.2



Features

Connector+Contact Gender: FF
 or MM Only (F-Female, M-Male)
 Shielded
 PCB or Solder Contacts
 IP67 (Unmated) Stand Alone
 2A: 78

Cut-Out



Mating Part



With SR



Without SR

Connector+Contact Gender: FF
 or MM Only (F-Female, M-Male)
 Shielded
 In-line Molded Type (Cable to
 Cable)With SR
 IP67 (Unmated) Stand Alone
 2A: 15, 26, 44, 62, 78
 Mating pair of connector NO.1 & 2



Without SR



Without SR

Connector+Contact Gender: FF
 or MM Only (F-Female, M-Male)
 Shielded
 Solder Contacts
 Crimp Contact (10K Terminals/ Reel)
 Field Installable, without SR
 IP67 When Mated
 2A: 15, 26, 44
 Mating pair of connector NO.1

Accessories



Waterproof Cover
 (for Size 1 to 3)



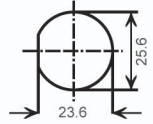
Joiner for Cable Connector
 (for Size 1 to 3)



Dust Cap
 (for Size 1 to 3)

USB SERIES

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	USB A Type USB B Type
02 . Description	Panel Mount, Molded with Cable and Field Installable
03 . Current Rating	1.5A
04 . Speed	480Mbps
05 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: PBT UL94V-0
06 . Temperature Range	-20°C to + 80°C
07 . Waterproof Rating	IP67(Per IEC60590), IP68
08 . Contact Resistance	≤30MΩ Max
09 . Insulation Resistance	≥1000MΩ Min
10 . Breakdown Voltage	≥AC 500V / 1 Minute
11 . Standard Cable Length (for Molded Cable)	1, 2, 5M (Standard Cable: USB 2.0)



Panel (Chassis) Mount

Connector NO.1



LTWUA-20PMFP-LC7001
(Without)
LTWUA-20PMFP-LC7002
(With)

Features

USB A Type
Male Connector
PCB 180°
With or Without Flying Lead
IP67 (Unmated) Stand Alone

Connector NO.2



LTWUB-20PMFP-LC7001
(Without)
LTWUB-20PMFP-LC7002
(With)

Features

USB B Type
Male Connector
PCB 180°
With or Without Flying Lead
IP67 (Unmated) Stand Alone

Mating Part



90°
With SR

USB A Type
Female Connector
180° or 90° In-line Molded Type
(Cable to Cable)With SR
Cable Length 1 to 5 Meters
IP67 (Unmated) Stand Alone
Mating pair of connector NO.1

180° With SR Available
(LTWUA-20AFMM-LL7AXX)



90°
With SR

USB B Type
Female Connector
180° or 90° In-line Molded Type
(Cable to Cable)With SR
Cable Length 1 to 5 Meters
IP67 (Unmated) Stand Alone
Mating pair of connector NO.2

180° With SR Available
(LTWUB-20AFMM-LL7AXX)

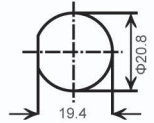
Accessories















Waterproof Cover
With Chain



Waterproof Cover
With Rubber Lead

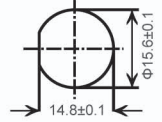


Panel (Chassis) Mount

<p>Connector NO.1</p>  <p>LTWUA-20PMFP-SC8001 (Without) LTWUA-20PMFP-SC8002 (With)</p>	<p>Features</p> <p>USB A Type Male Connector PCB 180° With or Without Flying Lead IP68 (Unmated) Stand Alone</p>	<p>Connector NO.4</p>  <p>With SR LTWUB-20AMFM-SL7AXX</p>	<p>Features</p> <p>USB B Type Male Connector In-line Molded Type (Cable to Cable) With SR Cable Length 1 to 5 Meters IP67 (Unmated) Stand Alone</p>	
<p>Connector NO.2</p>  <p>LTWUB-20PMFP-SC8001 (Without) LTWUB-20PMFP-SC8002 (With)</p>	<p>Features</p> <p>USB B Type Male Connector PCB 180° With or Without Flying Lead IP68 (Unmated) Stand Alone</p>	<p>Connector NO.5</p>  <p>LTWUA-20BMFA-SL8001</p>	<p>Features</p> <p>USB A Type Male Connector Field Installable Without Cable IP68 When Mated</p>	
<p>Connector NO.3</p>  <p>With SR LTWUA-20AMFM-SL7AXX</p>	<p>Features</p> <p>USB A Type Male Connector In-line Molded Type (Cable to Cable) With SR Cable Length 1 to 5 Meters IP67 (Unmated) Stand Alone</p>	<p>Connector NO.6</p>  <p>LTWUB-20BMFA-SL8001</p>	<p>Features</p> <p>USB B Type Male Connector Field Installable Without Cable IP68 When Mated</p>	
<p>Mating Part</p>  <p>Without SR</p>	<p>USB A Type Female Connector In-line Molded Type (Cable to Cable) Without SR Cable Length 1 to 5 Meters IP67 (Unmated) Stand Alone Mating pair of connector NO.1, 3, 5</p>	 <p>Without SR</p>	<p>USB B Type Female Connector In-line Molded Type (Cable to Cable) Without SR Cable Length 1 to 5 Meters IP67 (Unmated) Stand Alone Mating pair of connector NO.2, 4, 6</p>	
<p>Accessories</p>	 <p>Waterproof Cover With Chain</p>	 <p>Waterproof Cover With Rubber Lead</p>	 <p>Waterproof Cover With Fish Line</p>	 <p>Waterproof Box</p>
<p>Waterproof USB</p> <p>to</p> <p>Non-Waterproof USB</p>	<p>USB A Type (Male) or USB A Type (Female) or USB B Type (Male) or USB B Type (Female)</p> <p>With SR Without SR</p> <p>USB A Type or USB B Type</p> <p>Cable Length 1 to 5 Meters, IP67 (Unmated) Stand Alone</p>			

Mini USB SERIES

NO. SPECIFICATIONS	STANDARD VALUE
0 1 . Identifications	USB B Type
0 2 . Description	Panel Mount, Molded with Cable and Field Installable
0 3 . Current Rating	1A
0 4 . Speed	480 Mbps
0 5 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: PBT UL94V-0
0 6 . Temperature Range	-20°C to + 80°C
0 7 . Waterproof Rating	IP67(Per IEC60590), IP68
0 8 . Contact Resistance	≤30MΩ Max
0 9 . Insulation Resistance	≥1000MΩ at DC 500V
1 0 . Breakdown Voltage	≥AC 500V / 1 Minute
1 1 . Standard Cable Length (for Molded Cable)	1, 2, 5M (Standard Cable: USB 2.0)



Panel (Chassis) Mount

Connector NO.1



LTWNUB-20PMFP-SC7001

Features

Male Connector
PCB 180°
IP67 (Unmated) Stand Alone

Connector NO.3



LTWNUB-20BMFA-SL7001

Features

Male Connector
Field Installable
Without SR
IP67 When Mated

Connector NO.2



LTWNUB-20PMFR-SC7001

Features

Male Connector
PCB 90°
IP67 (Unmated) Stand Alone

Connector NO.4



LTWNUB-20AMFM-SL7AXX

Features

Male Connector
In-line Molded Type (Cable to Cable) With SR
Cable Length 5 Meters Max
IP67 (Unmated) Stand Alone

Mating Part



With SR

Female Connector
In-line Molded Type (Cable to Cable) With SR
Cable Length 5 Meters Max
IP67 (Unmated) Stand Alone
Mating pair of connector NO.1 to 4

Accessories



Waterproof Cover With Chain

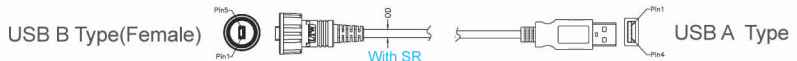


Waterproof Cover With Rubber Lead



Waterproof Cover

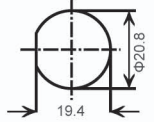
Waterproof Mini USB to Non-Waterproof USB



Cable Length 1 to 5 Meters, IP67 (Unmated) Stand Alone

IEEE 1394 A TYPE

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	IEEE 1394 Connector
02 . Description	Panel Mount, Molded with Cable and Field Installable
03 . Current Rating	0.5A
04 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: PBT UL94V-0
05 . Temperature Range	-20°C to + 80°C
06 . Waterproof Rating	IP67(Per IEC60590), IP68
07 . Contact Resistance	≤30MΩ Max
08 . Insulation Resistance	≥100MΩ at DC 500V
09 . Breakdown Voltage	≥AC 500V / 1 Minute
10 . Standard Cable Length (for Molded Cable)	1, 2,4M (IEEE1394A Cable)
11 . Speed	400Mbps



Panel (Chassis) Mount

Connector NO.1



LTW13-AA~~PMFP~~-SC8001

Features

Male Connector
PCB 180°
IP68 (Unmated) Stand Alone

Connector NO.3



LTW13-AA~~BMFA~~-SL8001

Features

Male Connector
Field Installable
Without Cable
IP68 When Mated

Connector NO.2



LTW13-AA~~AMFM~~-SL7A~~XX~~

Features

Male Connector
In-line Molded Type (Cable to Cable)With SR
Cable Length 1 to 4 Meters
IP67 (Unmated) Stand Alone

Mating Part



Without SR Mating pair of connector NO.1 to 3

Female Connector
In-line Molded Type (Cable to Cable)Without SR
IP67 (Unmated) Stand Alone
Cable Length 1 to 4 Meters

Accessories



Waterproof Cover
With Chain



Waterproof Cover
With Rubber Lead



Waterproof Cover
With Fish Line

Waterproof IEEE 1394 A to Non-Waterproof IEEE 1394 A

1394 A Type(Female)



Without SR



Non-Waterproof
A Type

Cable Length 1 to 5 Meters, IP67 (Unmated) Stand Alone

POWER CONNECTOR

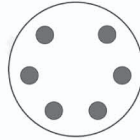
NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	Power Connector
02 . Description	Panel Mount, Molded with Cable and Field Installable
03 . Current Rating / Pin Arrangements	8A : 5 to 7 12A : 2 to 4 20A : 3
04 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: Nylon + GF, UL Recognized
05 . Temperature Range	Cable: -20°C to + 80°C Connector Body: -40°C to +105°C
06 . Waterproof Rating	IP67(Per IEC60590)
07 . Contact Resistance	≤20MΩ
08 . Insulation Resistance	≥100MΩ at 250V DC
09 . Durability	1000 Times
10 . Breakdown Voltage	≥AC 1000V / 1 Minute
11 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UL2464 PVC Jacket or Power Cable)
12 . Field Installable	All Solder Contacts Unless And Otherwise Indicated

POWER CONNECTOR

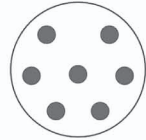
8A Current



8A:5

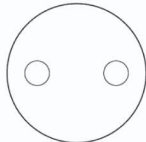


8A:6

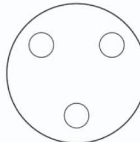


8A:7

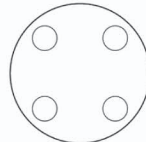
12A Current



12A:2



12A:3



12A:4

20A Current



20A:3



8A



12A



20A

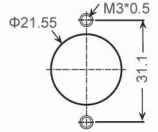


Male Conn
(Male Pin)



Female Conn
(Female Pin)

8A:7 and 12A:4 Compatible With Amphenol, Binder, Hirschmann and Amp



Panel (Chassis) Mount

Connector NO.1

Features

Male Connector
 Front Mount
 IP67 (Unmated) Stand Alone
 ▲→8A: 5 to 7



LTWPWE ▲ PMMS-SC7001

Connector NO.2

Features

Female Connector
 Front Mount
 IP67 (Unmated) Stand Alone
 ▲→8A: 5 to 7



LTWPWE ▲ PFFS-SC7001

Mating Part

Female Connector
 In-line Molded Type (Cable to Cable or Cable to Field Installable)
 With SR
 IP67 (Unmated) Stand Alone
 Cable Length 1 to 99 Meters
 8A: 5 to 7
 Mating pair of connector NO.1



Female Connector
 Solder Contacts
 In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable)
 Without Cable
 IP67 When Mated
 8A: 5 to 7
 Mating pair of connector NO.1



Male Connector
 In-line Molded Type (Cable to Cable or Cable to Field Installable)
 With SR
 IP67 (Unmated) Stand Alone
 Cable Length 1 to 99 Meters
 8A: 5 to 7
 Mating pair of connector NO.2



Male Connector
 Solder Contacts
 In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable)
 Without Cable
 IP67 When Mated
 8A: 5 to 7
 Mating pair of connector NO.2





Panel (Chassis) Mount

Connector NO.1

Features

Male Connector
Front Mount
IP67 (Unmated) Stand Alone
▲→12A: 2 to 4



LTWPWF-▲PMMS-SC7001

Connector NO.2

Features

Female Connector
Front Mount
IP67 (Unmated) Stand Alone
▲→12A: 2 to 4



LTWPWF-▲PFFS-SC7001

Mating Part



With SR



Female Connector
In-line Molded Type (Cable to Cable or Cable to Field Installable)
With SR
IP67 (Unmated) Stand Alone
Cable Length 1 to 99 Meters
12A: 2 to 4
Mating pair of connector NO.1



Female Connector
Solder Contacts
In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable)
Without Cable
IP67 When Mated
12A: 2 to 4
Mating pair of connector NO.1



With SR



Male Connector
In-line Molded Type (Cable to Cable or Cable to Field Installable)
With SR
IP67 (Unmated) Stand Alone
Cable Length 1 to 99 Meters
12A: 2 to 4
Mating pair of connector NO.2

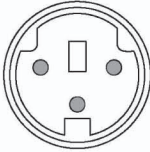
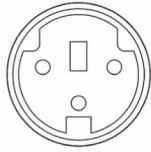
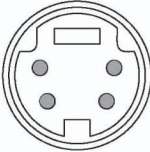
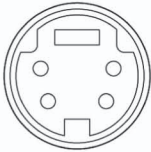
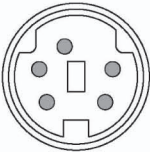
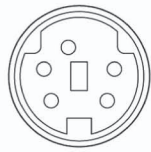
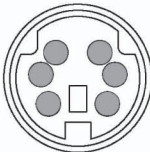
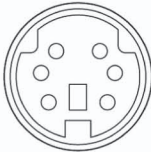
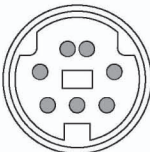
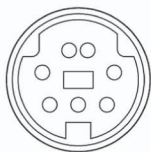
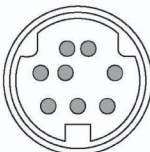
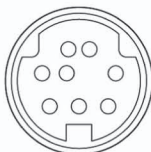


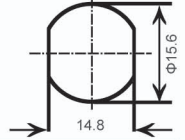
Male Connector
Solder Contacts
In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable)
Without Cable
IP67 When Mated
12A: 2 to 4
Mating pair of connector NO.2

MINI DIN SERIES

NO. SPECIFICATIONS	STANDARD VALUE
0 1 . Identifications	Mini Din
0 2 . Description	Panel Mount, Molded with Cable
0 3 . Current Rating / Pin Arrangements	1A: 3 to 8
0 4 . Material	Contacts: Copper Alloy, Gold / Tin Plated Connector Body: PBT UL94V-0
0 5 . Temperature Range	-20°C to + 80°C
0 6 . Waterproof Rating	IP66, IP67(Per IEC60590)
0 7 . Contact Resistance	≤20MΩ Max
0 8 . Insulation Resistance	≥50MΩ at DC 250V
0 9 . Breakdown Voltage	≥AC 250V / 1 Minute
1 0 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UL2464 PVC Jacket)

MINI DIN SERIES CONNECTOR

	Male (Male Conn Female Pin)	Female (Female Conn Male Pin)
3 Contact		
4 Contact		
5 Contact		
6 Contact		
7 Contact		
8 Contact		



Panel (Chassis) Mount

Connector NO.1



LTVWMID-△PMFS-SC7001

Features

Screw Type
IP67 (Unmated) Stand Alone
△→1A: 3 to 8

Connector NO.2



With SR Screw
LTVWMID-△AMFM-SL7AXX (Screw)
With SR Quick
LTVWMID-△AMFM-QL6AXX (Quick)

Features

In-line Molded Type (Cable to Cable) With SR
IP66(Quick) or P67(Scerw) (Unmated) Stand Alone
Cable Length 1 to 99 Meters
△→1A: 3 to 8

Mating Part



With SR Screw

In-line Molded Type (Cable to Cable) With SR
IP66(Quick) or P67(Scerw) (Unmated) Stand Alone
Cable Length 1 to 99 Meters
1A: 3 to 8

Mating pair of connector NO.1 & 2 (Screw Type)



With SR Quick

Mating pair of connector NO. 2 (Quick Type)

Accessories



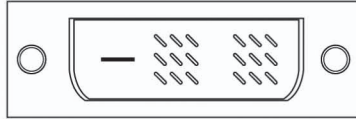
Waterproof Cover With Chain

DVI SERIES

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	DVI-D Single Link (DDS) DVI-D Dual Link (DDD) DVI-I Single Link (DIS) DVI-I Dual Link (DID)
02 . Description	Panel Mount, Molded with Cable
03 . Pin Arrangements	DVI-D Single Link (DDS): 19 Contacts DVI-D Dual Link (DDD): 25 Contacts DVI-I Single Link (DIS): 23 Contacts DVI-I Dual Link (DID): 29 Contacts
04 . Material	Contacts: Copper Alloy, Gold Plated Connector Body: Nylon + GF, UL Recognized Shell: Steel, Nickel Plated
05 . Temperature Range	Cable: -20°C to + 80°C Connector Body: -20°C to + 85°C
06 . Waterproof Rating	IP67(Per IEC60590)
07 . Contact Resistance	≤20MΩ
08 . Insulation Resistance	≥1000MΩ at DC 500V
09 . Standard Cable Length (for Molded Cable)	1, 2, 5M (Standard Cable: UL20276 28 AWG / PVC)

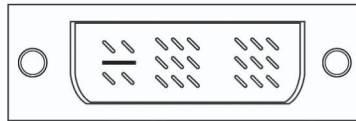
DVI CONNECTOR

DVI-D Single Link(DDS)



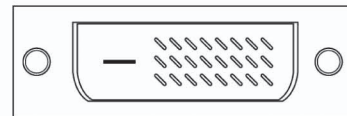
19 Contacts

DVI-I Single Link(DIS)



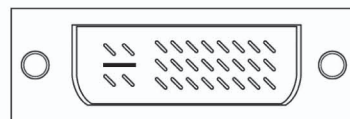
23 Contacts

DVI-D Dual Link(DDD)



25 Contacts

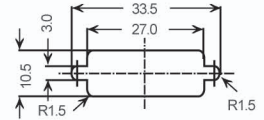
DVI-I Dual Link(DID)



29 Contacts

DVI-D (Digital) (Female)

53



Panel (Chassis) Mount

Connector NO.1



Features

DVI-D Single 19 Contacts or DVI-D Dual 25 Contacts
Screw Type
IP68 (Unmated) Stand Alone

Mating Part



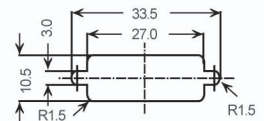
With SR



With SR

DVI-D Single 19 Contacts or DVI-D Dual 25 Contacts
Screw Type
In-line Molded Type (Cable to Cable) With SR
IP67 (Unmated) Stand Alone

DVI-I (Analog / Digital) (Female)



Panel (Chassis) Mount

Connector NO.1



Features

DVI-I Single 23 Contacts or DVI-I Dual 29 Contacts
Screw Type
IP68 (Unmated) Stand Alone

Mating Part

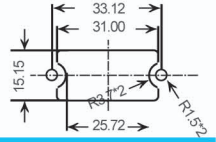


With SR



With SR

DVI-I Single 23 Contacts or DVI-I Dual 29 Contacts
Screw Type
In-line Molded Type (Cable to Cable) With SR
IP67 (Unmated) Stand Alone



Panel (Chassis) Mount

Connector NO.1

Features



Latch Type
90° PCB
IP67 (Unmated) Stand Alone

LTWHJ-19PFFR-QS7001

Mating Part



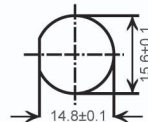
180° In-line Molded Type (Cable to Cable) With SR
Maximum Cable Length 5M(Cable Specification HDMI 1.3)
IP67 (Unmated) Stand Alone

PIN ARRANGEMENT / PCB LAYOUT

	Male (Male Conn Male Pin)	PCB
19 Contacts		

COAXIAL SERIES

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	Coaxial TNC Coaxial RCA
02 . Description	Panel Mount, Molded with Cable
03 . Impedance	TNC: 50Ω, 75Ω
04 . Material	Contacts: Copper Alloy, Nickel Plated / Gold Plated Connector Body: Teflon (TNC), PBT (RCA)
05 . Temperature Range	Cable: -20°C to + 80°C Connector Body: -40°C to + 105°C
06 . Waterproof Rating	IP66, IP67(Per IEC60590)
07 . Contact Resistance	RCA: ≤30MΩ
08 . Insulation Resistance	RCA: ≥100MΩ at DC 500V TNC: ≥AC 500MΩ
09 . Breakdown Voltage	RCA: ≥AC 500V / 1 Minute
10 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: RG58C / U or RG59U or UL1185 26#)



Panel (Chassis) Mount

Connector NO.1



Features

TNC Connector
50Ω or 75Ω
Screw Tyoe
Solder Contact
Front Mount
IP67 (Unmated) Stand Alone

Connector NO.3



Without SR

Features

TNC Connector
50Ω or 75Ω
Screw Tyoe, Front Mount
In-line Molded Type (Cable to Cable)With SR
IP67 (Unmated) Stand Alone

Connector NO.2



With SR

Features

RCA Connector
Quick Type
In-line Molded Type (Cable to Cable)With SR
IP66 When Mated

Mating Part



With SR

TNC Connector
50Ω or 75Ω
Screw Tyoe
In-line Molded Type (Cable to Cable)With SR
IP67 (Unmated) Stand Alone
Mating pair of connector NO.1 & 3



With SR

RCA Connector
Quick Tyoe
In-line Molded Type (Cable to Cable)With SR
IP66 When Mated
Mating pair of connector NO.2

Accessories



Waterproof Cover With Chain

CABLE GLAND SERIES

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	Cable Gland
02 . Description	Field Installable
03 . Thread Style	M8, M12, M16, M20, M25, M32, M40 PG7, PG9, PG11, PG13.5, PG16, PG29
04 . Material	Connector Body:Nylon 66, UL Recognized UV Resistant
05 . Temperature Range	-40°C to + 105°C
06 . Waterproof Rating	IP67, IP68



Long Type (With SR:

), (Without SR:

Thread Style	Cable OD	Panel Thickness	With SR (Connector Length)	Without SR (Connector Length)	IP
M 12	Φ4.5 ~ Φ6.5mm	MAX 3.0mm	60.0mm	30.0mm	68
M 16	Φ6 ~ Φ10mm	MAX 7.5mm	78.0mm	45.0mm (UV)	68
M 20	Φ10 ~ Φ14mm	MAX 6.2mm	86.6mm	43.7mm	68
M 25	Φ13 ~ Φ18mm	MAX 6.2mm	96.0mm	52.1mm	68
M 32	or Φ16 ~ Φ22mm or Φ18 ~ Φ25mm	MAX 6.0mm		52.5mm	68
M 40	or Φ20 ~ Φ25mm or Φ24 ~ Φ32mm	MAX 9.0mm		60.0mm	68
PG 7	Φ4.5 ~ Φ6.5mm	MAX 3.0mm	60.0mm	30.0mm	68
PG 9	Φ6.0 ~ Φ10mm	MAX 7.5mm	78.0mm	45.0mm	68
PG 11	Φ6.0 ~ Φ10mm	MAX 6.0mm	79.1mm	48.3mm	68
PG 13.5	Φ10 ~ Φ14mm	MAX 6.2mm	86.6mm	49.6mm	68
PG 16	or Φ6.5mm(for RJ) or Φ10 ~ Φ14mm	or MAX 4.5mm(for RJ) MAX 6.0mm	86.6mm	or 49.85mm(for RJ) 49.6mm	68
PG 29	or Φ16 ~ Φ22mm or Φ18 ~ Φ25mm	MAX 6.0mm		52.5mm	68



Short Type (With SR:

), (Without SR:

Thread Style	Cable OD	Panel Thickness	With SR (Connector Length)	Without SR (Connector Length)	IP
M 8	Φ2.5 ~ Φ3.0mm			22.0mm	67
M 16	Φ6 ~ Φ10mm	MAX 3mm		40.0mm	68
M 20	Φ10 ~ Φ14mm	MAX 6.2mm	79.6mm	36.7mm	68
M 25	Φ13 ~ Φ18mm	MAX 6.2mm	89.0mm	45.0mm	68
M 32	or Φ16 ~ Φ22mm or Φ18 ~ Φ25mm	MAX 6.0mm		47.5mm	68
PG 16	or Φ5.5 ~ Φ7.5mm(for RJ) or Φ10 ~ Φ14mm			or 45.0mm(for RJ) 44.6mm	68

LED SERIES

NO. SPECIFICATIONS

STANDARD VALUE

01 . Identifications

Plastic LED
Metal LED

02 . Description

Panel Mount

03 . LED Size

Plastic LED: Φ 3mm
Metal LED: Φ 3mm, Φ 5mm

04 . Light Color

Red, Blue, Green, White, Yellow

05 . Material

Metal: Brass, Nickel 120u Plated
Plastic: ABS

06 . Waterproof Rating

IP67(Per IEC60590)

07 . Operating Temperature

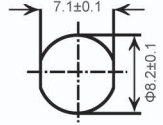
-40°C to + 80°C

08 . Breakdown Voltage

4V

09 . Luminous Intensity (mcd / min)

	Φ 3mm	Φ 5mm
White	2100mcd	4150mcd
Red	1080mcd	2100mcd
Blue	1080mcd	4150mcd
Green	2950mcd	2950mcd
Yellow	700mcd	2100mcd



Panel (Chassis) Plastic

Connector NO.1



LTWL08-01WAAS-PR7001

Features

White Light Color
 Φ 3mm
 IP67 (Unmated) Stand Alone

Connector NO.4



LTWL08-01GAAS-PR7001

Features

Green Light Color
 Φ 3mm
 IP67 (Unmated) Stand Alone

Connector NO.2



LTWL08-01RAAS-PR7001

Features

Red Light Color
 Φ 3mm
 IP67 (Unmated) Stand Alone

Connector NO.5



LTWL08-01YAAS-PR7001

Features

Yellow Light Color
 Φ 3mm
 IP67 (Unmated) Stand Alone

Connector NO.3



LTWL08-01BAAS-PR7001

Features

Blue Light Color
 Φ 3mm
 IP67 (Unmated) Stand Alone

Panel (Chassis) Metal

Connector NO.1



LTWL08-01WAAS-MR7001(3)

LTWL08-01WBAS-MR7001(5)

Features

White Light Color
 Φ 3mm or Φ 5mm
 IP67 (Unmated) Stand Alone

Connector NO.4



LTWL08-01GAAS-MR7001(3)

LTWL08-01GBAS-MR7001(5)

Features

Green Light Color
 Φ 3mm or Φ 5mm
 IP67 (Unmated) Stand Alone

Connector NO.2



LTWL08-01RAAS-MR7001(3)

LTWL08-01RBAS-MR7001(5)

Features

Red Light Color
 Φ 3mm or Φ 5mm
 IP67 (Unmated) Stand Alone

Connector NO.5



LTWL08-01YAAS-MR7001(3)

LTWL08-01YBAS-MR7001(5)

Features

Yellow Light Color
 Φ 3mm or Φ 5mm
 IP67 (Unmated) Stand Alone

Connector NO.3



LTWL08-01BAAS-MR7001(3)

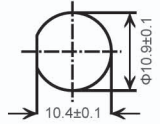
LTWL08-01BBAS-MR7001(5)

Features

Blue Light Color
 Φ 3mm or Φ 5mm
 IP67 (Unmated) Stand Alone

DC AUDIO PLUG & JACK

NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	DCM: Mono Phone Jack DCS: Stereo Phone Jack
02 . Description	Panel Mount, Molded with Cable
03 . Plug Dimension	Φ 2.5mm, Φ3.5mm
04 . Waterproof Rating	IP66
05 . Standard Cable Length (for Molded Cable)	1, 2, 5, 10M (Standard Cable: UL2464 PVC Jacket)



Panel (Chassis) Mount

Connector NO.1



LTWDCM-01RMFS-QC6001

Features

DC Mono Phone Jack Connector
 Φ 2.5mm
 Male Connector
 Panel Rear Mount
 IP66 When Mated

Connector NO.4



With SR
 LTWDCS-02AMFM-QL6AXX
 (Stereo)
 LTWDCM-02AMFM-QL6AXX
 (Mono)

Features

DC Stereo or Mono Phone Jack Connector
 Φ 3.5mm, Male Connector
 In-line Molded Type (Cable to Cable)With SR
 Cable Length Any Value
 IP66 When Mated

Connector NO.2



LTWDCS-01RMFS-QC6001

Features

DC Stereo Phone Jack Connector
 Φ 2.5mm
 Male Connector
 Panel Rear Mount
 IP66 When Mated

Connector NO.5



With SR
 LTWDCS-01AMFM-QL6AXX
 (Stereo)
 LTWDCM-01AMFM-QL6AXX
 (Mono)

Features

DC Stereo or Mono Phone Jack Connector
 Φ 2.5mm, Male Connector
 In-line Molded Type (Cable to Cable)With SR
 Cable Length Any Value
 IP66 When Mated

Connector NO.3



LTWDCM-02RMFS-QC6001

Features

DC Mono Phone Jack Connector
 Φ 3.5mm
 Male Connector
 Panel Rear Mount
 IP66 When Mated

Mating Part



With SR

DC Stereo or Mono Plug Connector
 Φ 3.5mm(Stereo) or Φ 2.5mm
 Female Connector
 In-line Molded Type (Cable to Cable)With SR
 Cable Length Any Value
 IP66 When Mated
 Mating pair of connector NO.1, 2, 4, 5



With SR

DC Mono Plug Connector
 Φ 3.5mm
 Female Connector
 In-line Molded Type (Cable to Cable)With SR
 Cable Length Any Value
 IP66 When Mated
 Mating pair of connector NO.3 and 4

Cable Joiner

Connector NO.1



LTWCX-04BAM20-7001

Features

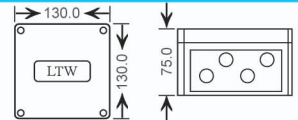
M20, 2 to 4 Conductor
 Field Installable
 Wiring Gauge 16~22AWG
 Cable Range: Φ 10mm, Φ 62mm
 UV Resistant
 Temperature range: $-40^{\circ}\text{C} + 85^{\circ}\text{C}$
 IP67 (Unmated) Stand Alone

Accessories



Tool

Junction Box



Junction Box

Connector NO.1



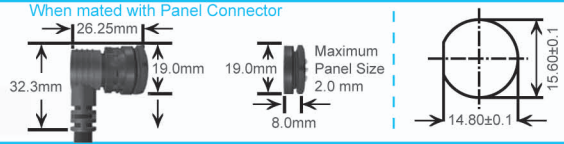
LTWJBOX-A001

Features

A Size: 130 x 130 x 75
 001 With Knockout Hole
 UV Resistant Up to 300 Hours (Max.)
 Temperature range: $-40^{\circ}\text{C} + 85^{\circ}\text{C}$
 IP67 (Unmated) Stand Alone

Accessories

M8, M12, M16, M20, M25, M32, M40
 PG7, PG9, PG11, PG13.5, PG16, PG29



Panel (Chassis) Mount

Connector NO.1



LTPWAA-△RFFS-LC7001

Features

Female Connector
 Lock Type, Sloder Contacts
 Panel Rear Mount
 Connector Rating 1A
 IP67 (Unmated) Stand Alone
 △→8 or 10 Pin

Connector NO.2



LTPWAA-△RFFP-LC7001

Features

Female Connector
 Lock Type, PCB Contacts
 Panel Rear Mount
 PCB 180°
 IP67 (Unmated) Stand Alone
 △→8 or 10 Pin

Mating Part

(Short Nut)



With SR

LTPWAA-△AMMM-KR7XXX

△→8 or 10 Pin
 Male Connector
 In-line Molded Type (Cable to Cable)With SR
 Cable Length 1~99 Meters
 Cable Type UL2464 PVC Jacket
 IP67 (Unmated) Stand Alone
 Mating pair of connector NO.1 & 2

(Long Nut)

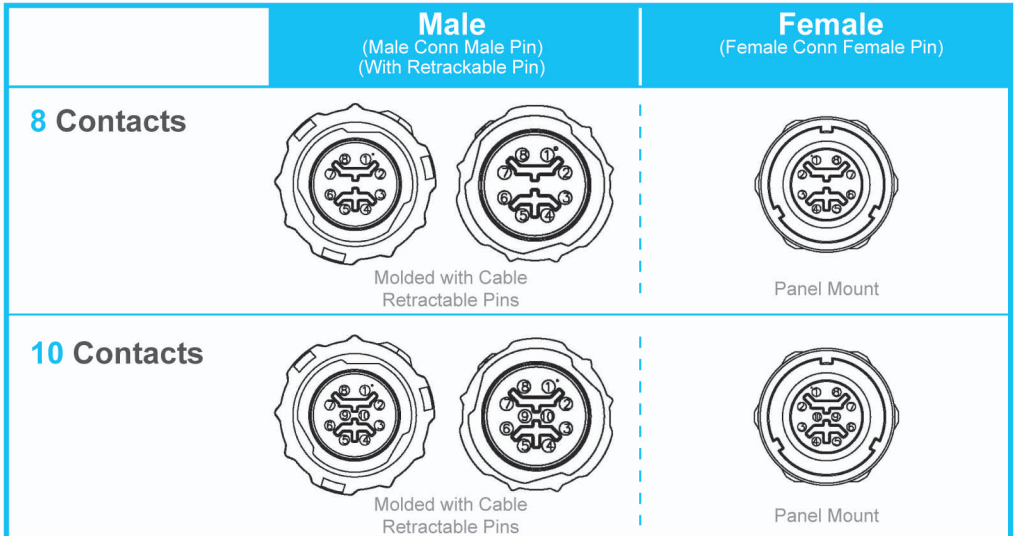


With SR

LTPWAA-△AMMM-LR7XXX

△→8 or 10 Pin
 Male Connector, Lock Type
 In-line Molded Type (Cable to Cable)With SR
 Cable Length 1~99 Meters
 Cable Type UL2464 PVC Jacket
 IP67 (Unmated) Stand Alone
 Mating pair of connector NO.1 & 2











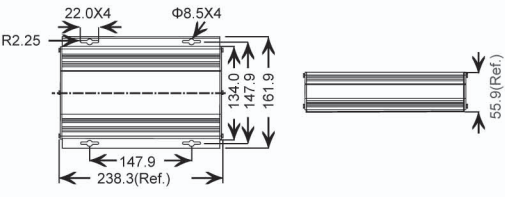
LOW PROFILE CONNECTOR PIN ARRANGEMENT



AP BOX SERIES

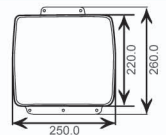
NO. SPECIFICATIONS	STANDARD VALUE
01 . Identifications	AP-02, AP-03, AP-04, AP-06, AP-07
02 . Casing Material	AP-02: Aluminum Rectangular AP-03: Light Gray Aluminum Square, Unpainted Bottom AP-04: White Aluminum Square, Painted Bottom AP-06: Aluminum Square, Unpainted Bottom AP-07: Aluminum Square, Painted Bottom
03 . Cover Material	AP-02: Metal AP-03, 04, 06, 07: Metal or Plastic
04 . Accessory	AP-02: SPCC Accessories AP-03: SPCC Accessories AP-04: SPCC Accessories AP-06: SUS Accessories AP-07: SUS Accessories
05 . Waterproof Rating	IP65, IP67

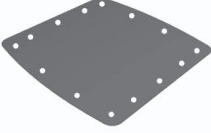
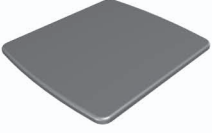
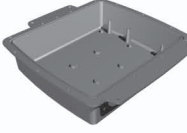
Choose Option 1 of 5

<p>Casing NO.0</p>  <p>Front</p>  <p>Rear</p> <p>LTWAP-ODU-M00002</p>	<p>Suggested connector (Not Incl.)</p> <p>FRONT : No Connection</p> <p>REAR : No Connection</p>	<p>Casing NO.3</p>  <p>Front</p>  <p>Rear</p> <p>LTWAP-ODU-M03002</p>	<p>Suggested connector (Not Incl.)</p> <p>FRONT : RJ45 X 2PCS and N BH JACK X 1PCS</p> <p>REAR : No Connection</p>
<p>Casing NO.1</p>  <p>Front</p>  <p>Rear</p> <p>LTWAP-ODU-M01002</p>	<p>Suggested connector (Not Incl.)</p> <p>FRONT : RJ45 X 1PC</p> <p>REAR : N BH JACK X 1PC</p>	<p>Casing NO.4</p>  <p>Front</p>  <p>Rear</p> <p>LTWAP-ODU-M04002</p>	<p>Suggested connector (Not Incl.)</p> <p>FRONT : RJ45 X 2PCS and N BH JACK X 2PCS</p> <p>REAR : No Connection</p>
<p>Casing NO.2</p>  <p>Front</p>  <p>Rear</p> <p>LTWAP-ODU-M02002</p>	<p>Suggested connector (Not Incl.)</p> <p>FRONT : RJ45 X 1PC N BH JACK to U.FL X 1PC</p> <p>REAR : N BH JACK X 1PC</p>		

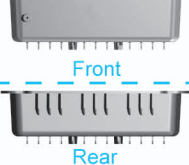


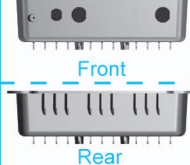


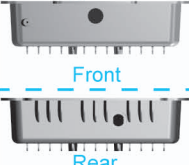


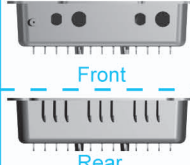


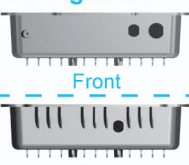






Aluminum Square (AP-03, 04, 06, 07), (IP67)

Metal Aluminum or Plastic Upper Cover




<p>Metal</p> 	<p>or</p> <p>Plastic</p> 	<p>Bottom Cover</p> 	<p>Unpainted (AP-03, 06) or Painted (AP-04, 07)</p>
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Choose Option 1 of 5

<p>Casing NO.0</p>  <p>LTWAP-ODU-0000</p>	<p>Suggested connector (Not Incl.) FRONT : No Connection REAR : No Connection</p>	<p>Casing NO.3</p>  <p>LTWAP-ODU-0300</p>	<p>Suggested connector (Not Incl.) FRONT : RJ45 X 2PCS and N BH JACK X 1PCS REAR : No Connection</p>
<p>Casing NO.1</p>  <p>LTWAP-ODU-0100</p>	<p>Suggested connector (Not Incl.) FRONT : RJ45 X 1PC REAR : N BH JACK X 1PC</p>	<p>Casing NO.4</p>  <p>LTWAP-ODU-0400</p>	<p>Suggested connector (Not Incl.) FRONT : RJ45 X 2PCS and N BH JACK X 2PCS REAR : No Connection</p>
<p>Casing NO.2</p>  <p>LTWAP-ODU-0200</p>	<p>Suggested connector (Not Incl.) FRONT : RJ45 X 1PC N BH JACK to U.FL X 1PC REAR : N BH JACK X 1PC</p>	<p>LTWAP-ODU-0X00</p> <p> → M (Metal Upper Cover) or P (Plastic Upper Cover)  → 3, 6(AP-03, 06)Unpainted or 4, 7(AP-04, 07)Painted</p>	

Mounting Kit for Square

	<p>Features With SPCC Mounting Kit and Accessory(AP-03, 04) or With SUS Mounting Kit and Accessory(AP-06, 07)</p>
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<p>Rectangular & Square Accessories</p>	 <p>Vent Connector</p>	 <p>Dummy Cover for RJ45</p>	 <p>panel cover for RF Conn.(N-Type)</p>
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About LTW[®]

Company Name
LTW TECHNOLOGY CO., LTD.

Established
March 1993

Headquarters
9F, NO. 657-12, Jungjeng Road,
Shinjuang City, Taipei Hsien 242,
Taiwan, R.O.C.

Total Number of Manpower
800 employees

Certification
ISO9001:2000, ISO14001:1996, CE,
UL, JIS, RoHS

Type of Business
Design, Manufacturer and Exporter



Taiwan Head Quarters:

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Why LTW[®] ?

- Design & manufacture waterproof connectors
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EMS Provider
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- Accept OEM & ODM requests
- Swift introduction and rapid progression for products-to-market
- ROHS, CE, UL, JIS certified compliant
- Products are protected by international patents
- Extensive range of waterproof connectors for broad applications
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- Small quantity orders are accepted
- On-time delivery
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- Multi-languages speaking sales representatives & engineers
- Prompt response
- Highly qualified, committed and motivated workforce

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