

Product:	Appliance cables and connectors suitable for a wide range of Hatteland Technology products
Type:	DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC

Last Revised:	18 Sep 2024
Revision#:	19

Description:

This data sheet show our range of high quality appliance cables and adapters, such as signal cables (VGA / DVI / DisplayPort (DP), HDMI), Touchscreen and power cables. These are either delivered with our products or can be purchased later. This data sheet also cover pinout description and in-depth technical information for the standard cables / adapters where available.

Items in this datasheet are suitable for Maritime Multi Displays, Maritime Multi Computers and Computers. Custom solutions and variations of the specific items, such as greater length or a mix between the standard connectors for extensions purposes (like BNC-female to BNC-male) and more can also be delivered on demand.

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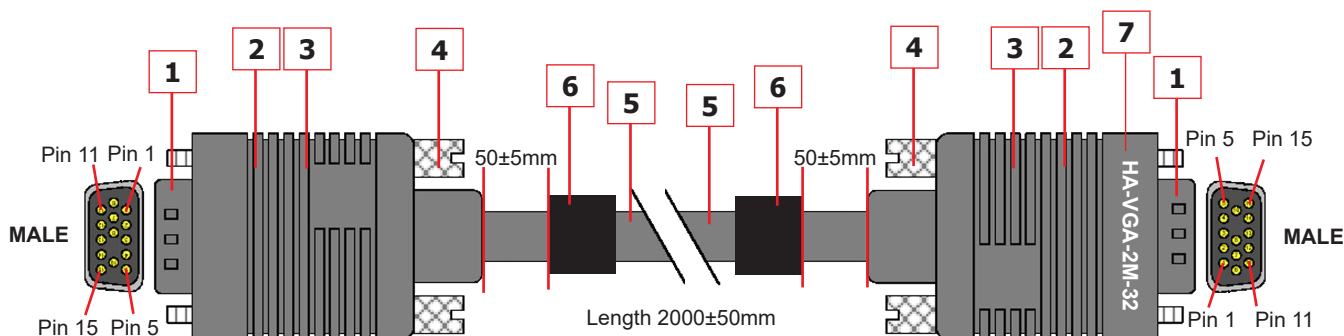
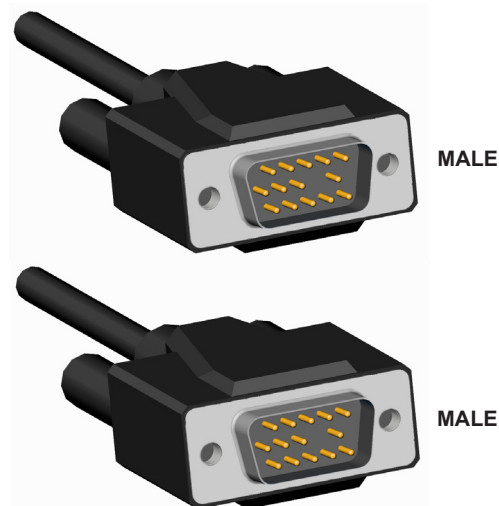
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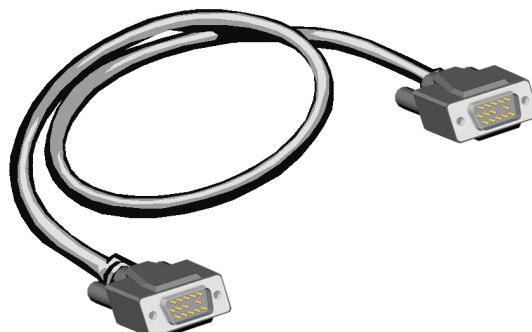
HA-VGA-2M-32

Standard VGA 15-pin Male Signal Cable. All material are RoHS and California Prop.65 compliant. Leadfree.

DSUB MALE PIN >	Description	< DSUB MALE PIN
1	RED	1
2	GREEN	2
3	BLUE	3
6	RED SPIRAL	6
7	GREEN SPIRAL	7
8	BLUE SPIRAL	8
5	WHITE	5
10		10
4	ORANGE	4
11	VIOLET	11
12	GREEN	12
13	BLACK	13
14	BROWN	14
15	YELLOW	15
----- SHELL -----	----- OVERALL BRAID -----	----- SHELL -----



Item	Description
1	2 x HD15 DSUB MALE (pin 9 removed)
2	2 x Black Molded PVC Hood
3	2 x PAT. NO:US 6,287,148 B1 RF-BLOK™ Shielding metal can.
4	4 x Black #4/40 Thumbscrew
5	UL20276 (32AWG Foam skin mini-coaxial w/spiral) +Copper foil overall shield x3C+(28AWG)x7C+Drain +AL-Foil+85% braid overall; black pvc jacket OD=ø5.0mm
6	2 x Black molded ferrite core (14.2x28.5x8mm)
7	1 x White color pad print: "HA-VGA-2M-32" (Hatteland Technology typenumber)



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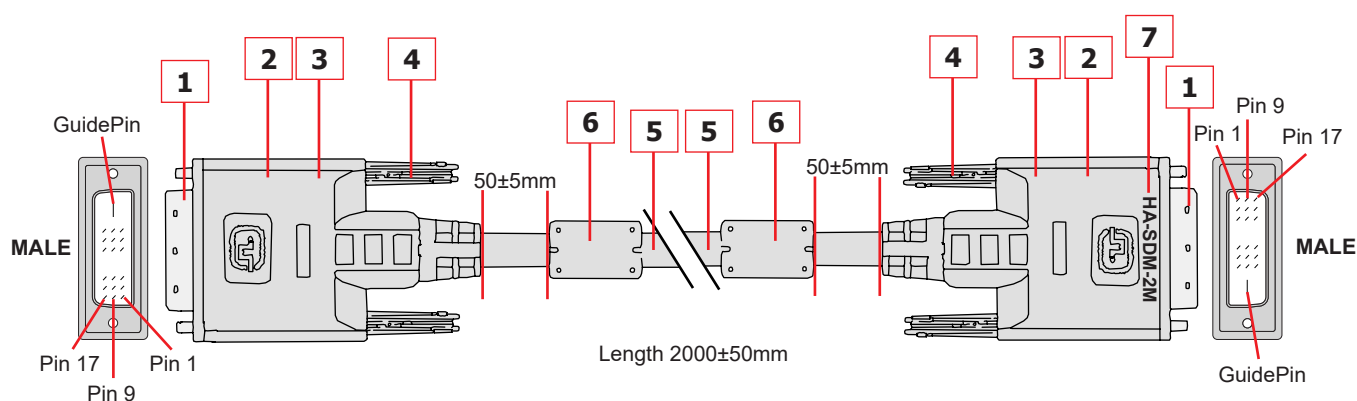
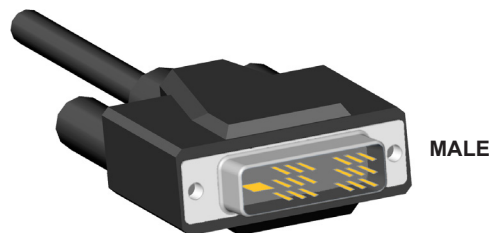
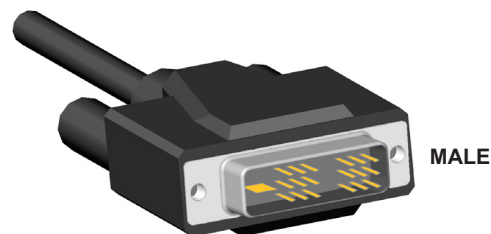
Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

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HA-SDM-2M

Standard DVI-D 18+1pin Male Signal Cable (Single Link Digital). All material are RoHS and California Prop.65 compliant. Leadfree.

DVI-D MALE PIN >	Description	< DVI-D MALE PIN
1	TMDS DATA 2-	1
2	TMDS DATA 2+	2
3	TMDS DATA 2 SHIELD	3
6	DDC CLOCK	6
7	DDC DATA	7
9	TMDS DATA 1-	9
10	TMDS DATA 1+	10
11	TMDS DATA 1 SHIELD	11
14	POWER +5V	14
15	GROUND (+5V & HV SYNC.)	15
16	HOT PLUG DETECT	16
17	TMDS DATA 0-	17
18	TMDS DATA 0+	18
19	TMDS DATA 0 SHIELD	19
22	TMDS CLOCK SHIELD	22
23	TMDS CLOCK+	23
24	TMDS CLOCK-	24



Item	Description
1	2 x DVI Male connector (18+1)
2	2 x Black Molded PVC Hood
3	2 x PAT. NO:US 6,287,148 B1 RF-BLOK™ Shielding metal can.
4	4 x Black #4/40 Thumbscrew (slot)
5	UL20276 (28AWG x 1Pair+AL-FOIL+DRAIN) x 4C +(28AWG wire) x 5c +AL-FOIL/MY+Braid Overall; Black PVC Jacket
6	2 x Black molded ferrite core (14.2x28.5x8mm)
7	1 x White color pad print: "HA-SDM-2M" (Hatteland Technology typenumber)



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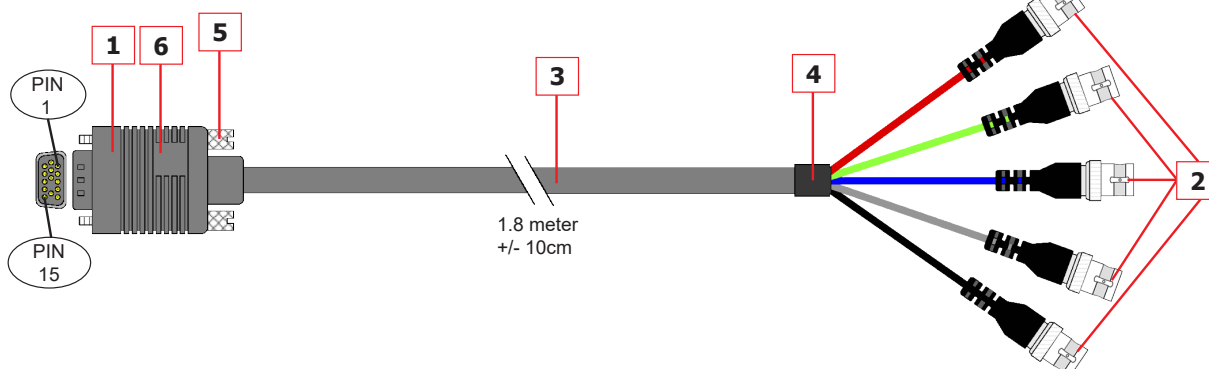
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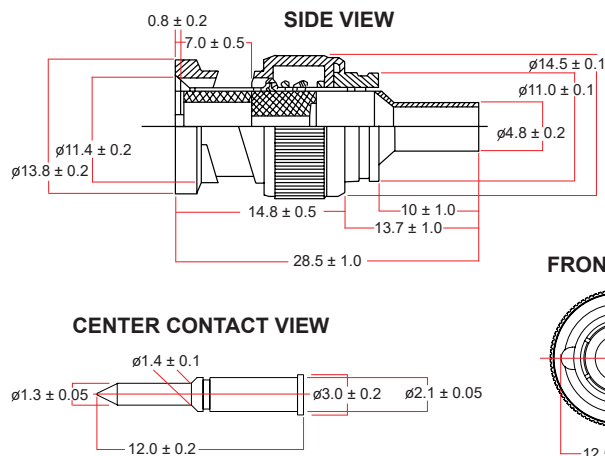
CD075414JHC00FMB-D

Standard VGA 15-pin Male to 5-pin BNC Female Signal Cable. All material are RoHS compliant. Leadfree. Not 461E Approved.

15P DSUB PIN >	Description	< BNC
1	INNER CORE RED COAX	RED
2	INNER CORE GREEN COAX	GREEN
3	INNER CORE BLUE COAX	BLUE
4	LINK TO OVERALL BRAID	Screen
5	NO CONNECTION	
6	LINK TO OVERALL BRAID	Screen
7	LINK TO OVERALL BRAID	Screen
8	LINK TO OVERALL BRAID	Screen
9	NO PIN / NO CONNECTION	
10	LINK TO OVERALL BRAID	Screen
11	LINK TO OVERALL BRAID	Screen
12	NO CONNECTION	
13	INNER CORE GRAY COAX	GREY
14	INNER CORE BLACK COAX	BLACK
15	NO CONNECTION	



Item	Description
1	1 x HD15 DSUB MALE, Molded PVC Hood, w/screw, black color
2	5 x BNC FEMALE, Molded, w/screw, black color
3	1 x UL2919 5 Coaxial, Cable, Black Jacket Color
4	1 x Heat Shrink Tube ULØ9x20mm, Black Color
5	2 x Black #4/40 Thumbscrew
6	1 x PAT. NO:US 6,287,148 B1 RF-BLOK™ Shielding metal can.



Housing Material and Finish	
Body	Brass, nickel plated
Spring	Steel spring
Gasket	Metal plate, nickel plated
Crimp Ferrule	Brass, nickel plated
Center Body	Brass, nickel plated
Center Contact	Brass, nickel plated
Insulator	POM

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Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

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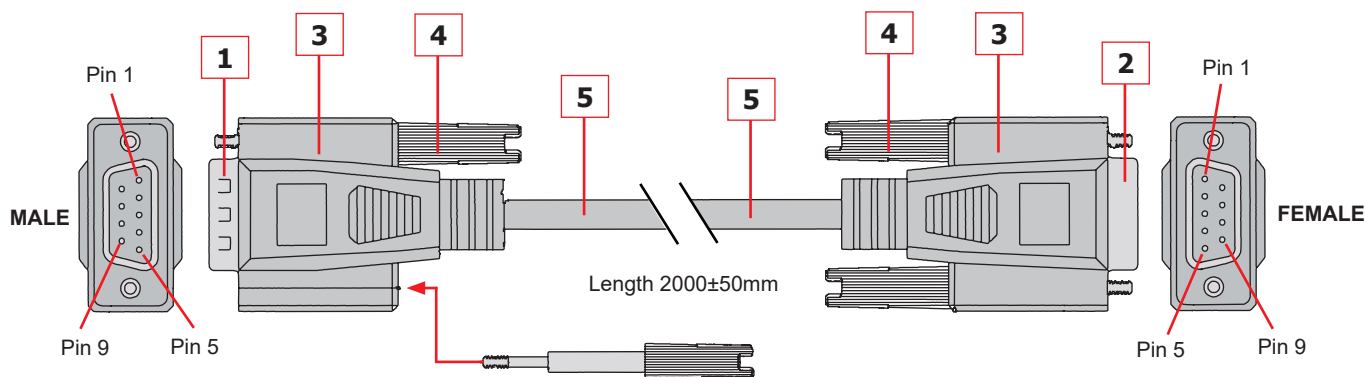
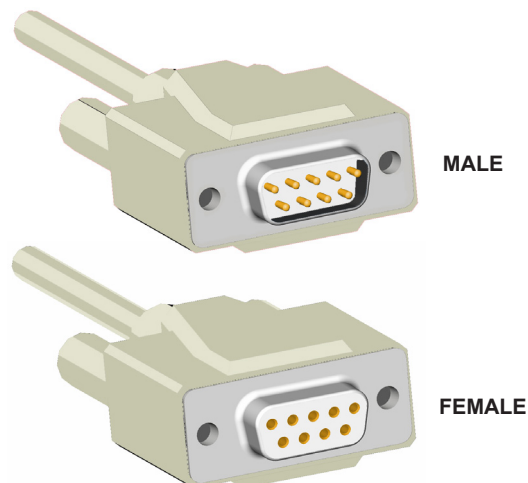
Last Revised: **18 Sep 2024**
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EK131.2

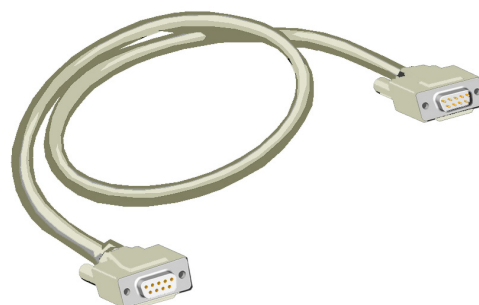
Standard Touchscreen/Serial (RS-232/RS-422/RS-485) 9-pin DSUB Male to Female Cable.

DSUB MALE PIN >	Description	< DSUB FEMALE PIN
1	-----	1
2	-----	2
3	-----	3
4	-----	4
5	-----	5
6	-----	6
7	-----	7
8	-----	8
9	-----	9

For actual functionality of each pin, please review appropriate user manual for complete details and specification of signals transferred as factory and/or industrial standards may differ.



Item	Description
1	1 x DB9 MALE DSUB, Nickel Plated
2	1 x DB9 FEMALE DSUB, Nickel Plated
3	2 x Out Molded PVC, Color Beige
4	4 x #4/40UNC,E32 Thumbscrew
5	Cable: AWG28,9C+1+AL/MY,0,D:5.0, Color Beige



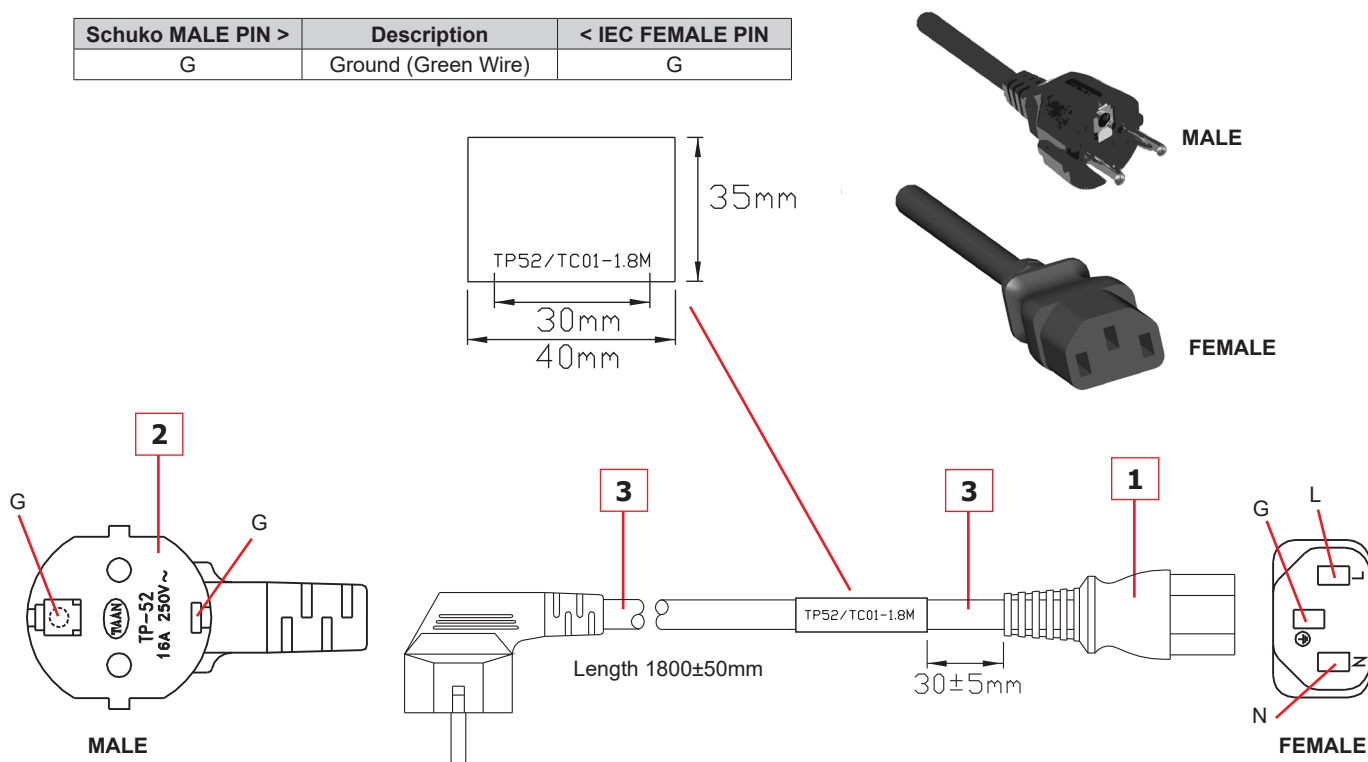
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TP52/TC01-1,8M

Standard 230VAC Power Cable with grounding. European Type F "Schuko" to IEC.

Schuko MALE PIN >	Description	< IEC FEMALE PIN
G	Ground (Green Wire)	G



Item	Description
1	1 x TC-01 IEC 320 C13 Black. 10A 250V.
2	1 x TP-52 CEE 7 SCHUKO Right Angle Plug Black. 16A 250V.
3	Cable: 3x0.75mm ² Black PVC (VDE H05VV-F).



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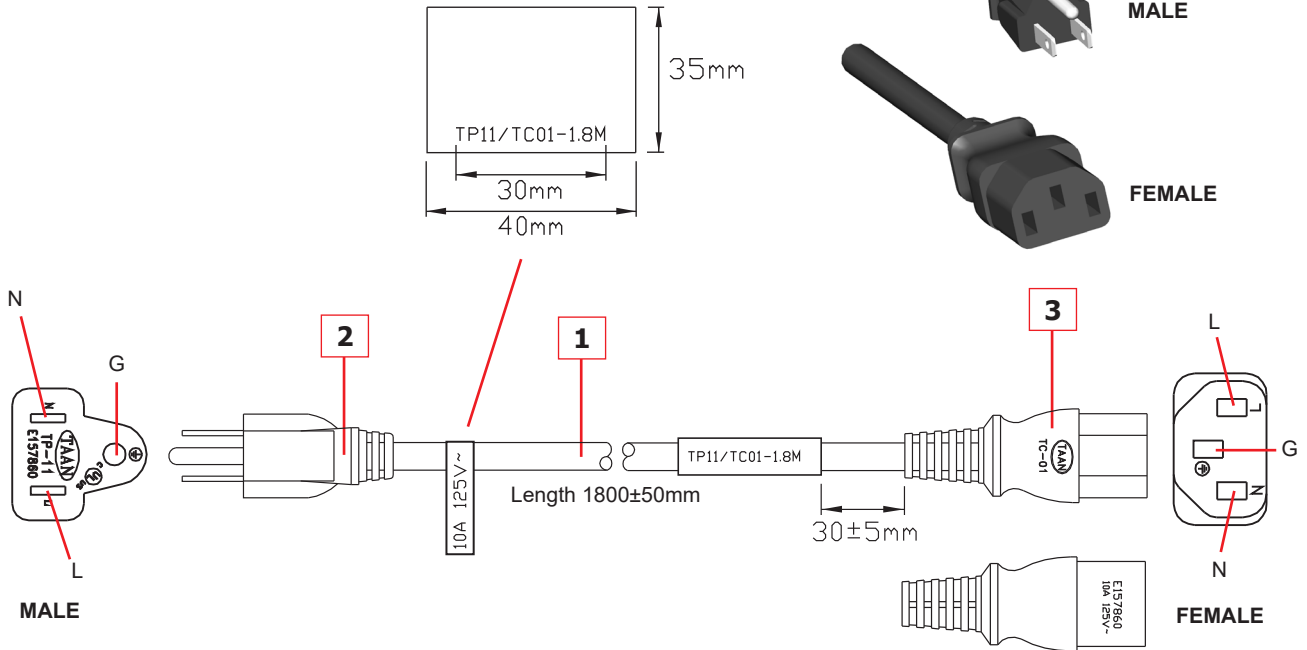
Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

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TP11/TC01-1,8M

Standard 115VAC Power Cable with grounding. US Type to IEC.

US MALE PIN >	Description	< IEC FEMALE PIN
N	Neutral (White Wire)	N
G	Ground (Green Wire)	G
L	Live (Black Wire)	L



Item	Description
1	Cable: 1 x SVT 18/3C 105°C Black.
2	1 x TP-11 NEMA 5-15P PVC Plastic Black
3	1 x TC-01 IEC 320 C13 10A 125V PVC Plastic Black



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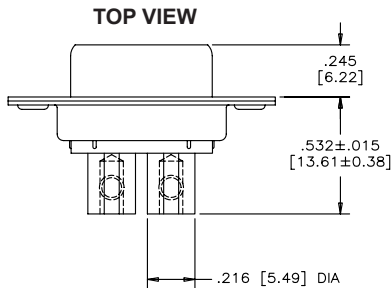
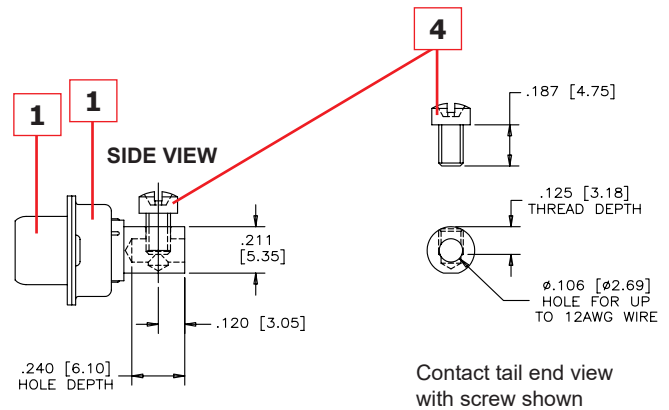
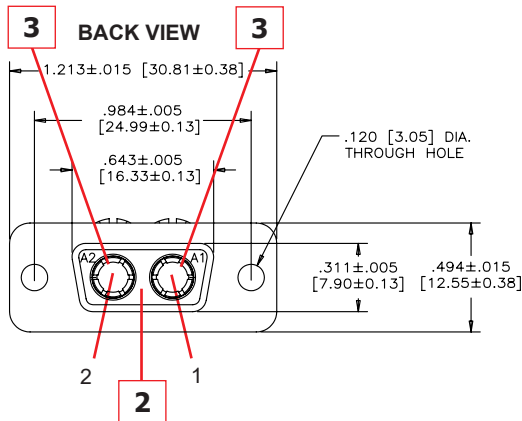
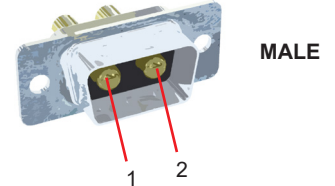
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FCE17-E2W2SS-2N0

2-pin DSUB DC Power Input male plug with screw terminal, suitable for L17DPPK09JSU-BP. FCE17 Series Combo D-SUB connector, 2W2 arrangement, socket power contacts, screw termination for 12AWG wire, through hole mounting, non-filtered. All materials are RoHS compliant per EU directive 2002/95/EC and amendments.

PIN	Description
1	Positive + Polarity
2	Negative - Polarity



Item	Description
1	1 x Shell: Stamped steel, tin plated.
2	1 x Insert: High temperature resistant thermoplastic, glass reinforced, flammability rating ULV94V-0, Black.
3	2 x Contacts: Copper Alloy, 30µ" [0.76 Microns] gold plated over 50µ" [1.27 Microns] minimum nickel. Contact Resistance: 5 milliohm max. Current Rating: 20 amperes max. Insulation Resistance: 3000 megaohms min.
4	2 x Screws: Steel, nickel or zinc plated or stainless steel. Connector supplied with 2 screws installed. #4-40 UNC Screw, round, pan or fillister head, Phillips/slotted drive

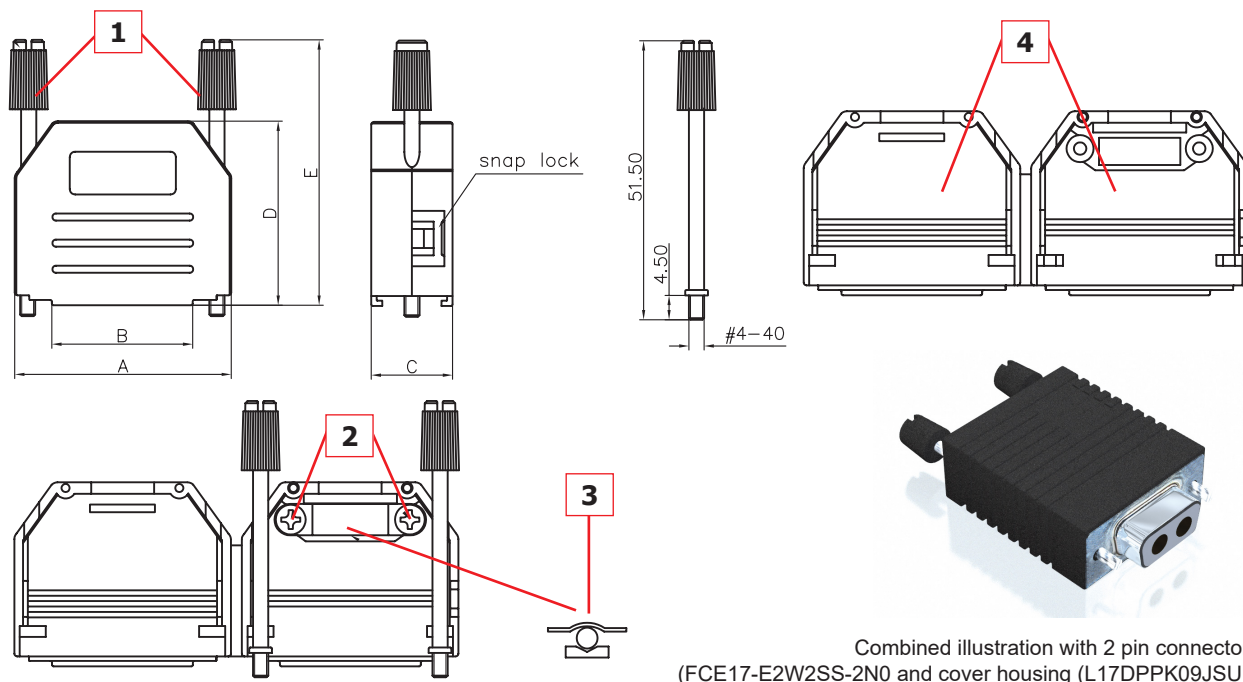
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L17DPPK09JSU-BP

DSUB Plastic housing suitable for FCE17-E2W2SS-2N0. RoHS compliant. Temperature Range: -40°C to 120°C.
Attenuation factor: >40 dB between 30 MHz and 1 GHz.



Item	Description
1	2 x Thumb screws: Steel shaft with plastic top knob, blue chromate plated
2	2 x Screws: Steel, blue chromate polated, Phillips head (ø5.50mm), 8mm length
3	1 x Strain relief: Steel, blue chromate plated cable clamp with self-tapping screws
4	1 x Cover/Shell/Housing: Thermoplastic, UL94-V0 color black

ID	Measurements
A	31.5mm
B	18mm
C	15mm
D	34mm
E	49mm

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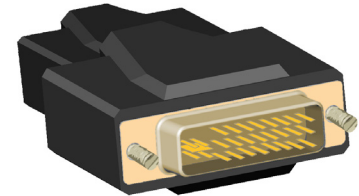
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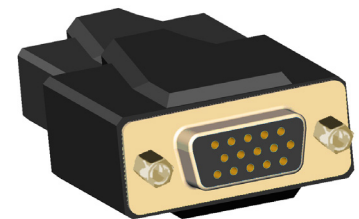
DVI-4

DVI-I (12+5) Single Link Male to RGB/VGA (15-pin HD D-SUB female) signal adapter. RoHS Compliant.
Max 1920x1200@60Hz resolution

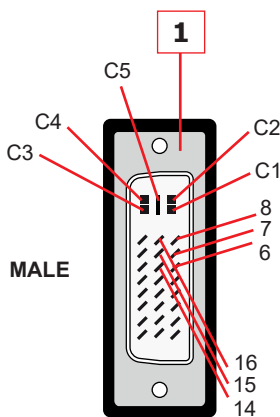
DVI MALE PIN >	Description	< HD15 FEMALE PIN
C1	Analog Red	1
C2	Analog Green	2
C3	Analog Blue	3
C4	Analog Horizontal Sync.	13
C5	Analog Ground (return for R, G, B signals)	6, 7, 8
8	Analog Vertical Sync.	14
7	DDC Data	12
6	DDC Clock	15
14, 16	+5 Power (for standby mode)	9
15	Digital Ground (for +5V and analog sync.)	10, 5
1,2,3,4,5,9,10,11,12,13,17,18,19,21,22,23,24	DIGITAL ONLY	NOT CONNECTED
SHIELD -----	----- SHIELD -----	----- SHIELD -----



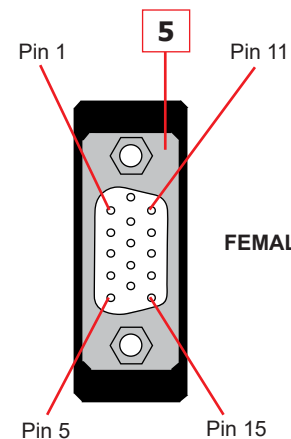
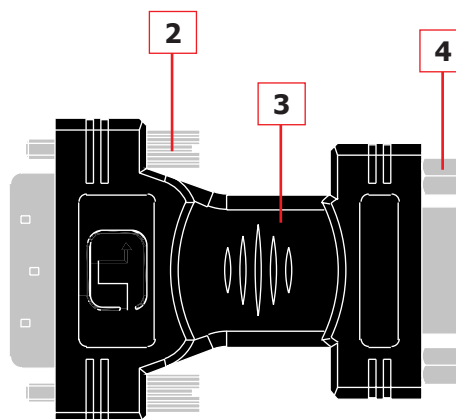
MALE



FEMALE



MALE



FEMALE

Item	Description
1	1 x Connector DVI (12+5) Male Pins with gold plated. Insulator:Black
2	2 x Thumb Screws #4-40 UNC Type
3	1 x Hood PVC Molded Color Black
4	2 x HEX NUT #4-40 UNC Type
5	1 x HD15 Female connector with nickel plated. Insulator: Black



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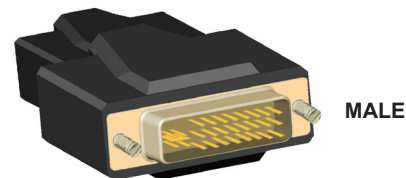
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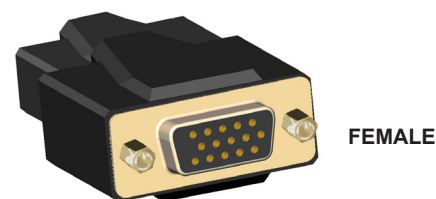
DV02-SK

DVI-I (12+5) Single Link Male to RGB/VGA (15-pin HD D-SUB female) signal adapter. RoHS Compliant.
Max 1920x1200@60Hz resolution

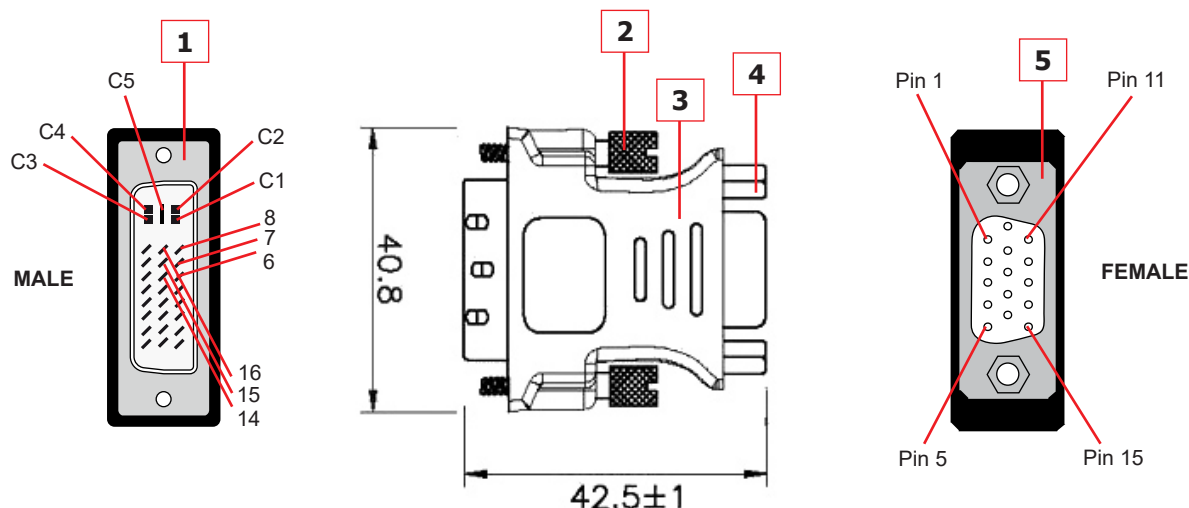
DVI MALE PIN >	Description	< HD15 FEMALE PIN
C1	Analog Red	1
C2	Analog Green	2
C3	Analog Blue	3
C4	Analog Horizontal Sync.	13
C5	Analog Ground (return for R, G, B signals)	6, 7, 8
8	Analog Vertical Sync.	14
7	DDC Data	12
6	DDC Clock	15
14, 16	+5 Power (for standby mode)	9
15	Digital Ground (for +5V and analog sync.)	10, 5
1,2,3,4,5,9,10,11,12,13,17,18,19,21,22,23,24	DIGITAL ONLY	NOT CONNECTED
SHIELD -----	----- SHIELD -----	----- SHIELD



MALE



FEMALE



Item	Description
1	1 x Connector DVI (12+5) Male Pins. Contact gold. Insulator:Black
2	2 x Thumb Screws #4-40 UNC Type. Nickel plated.
3	1 x Hood PVC Molded Color Black
4	2 x HEX NUT #4-40 UNC Type
5	1 x HD15 Female connector. Contact gold. Insulator: Black



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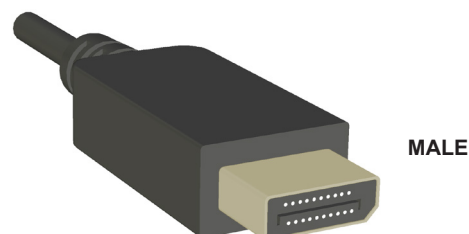
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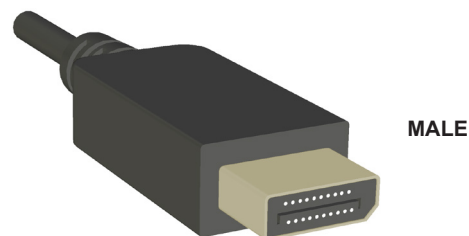
VSD101004-1

Standard DisplayPort (DP) to DisplayPort (DP) Signal Cable. DP 20P Male to DP 20P Male. All material are RoHS compliant. Leadfree. Support HBR2 (Capability of transferring 21.6 Gbps). Compliant with DisplayPort 1.2.

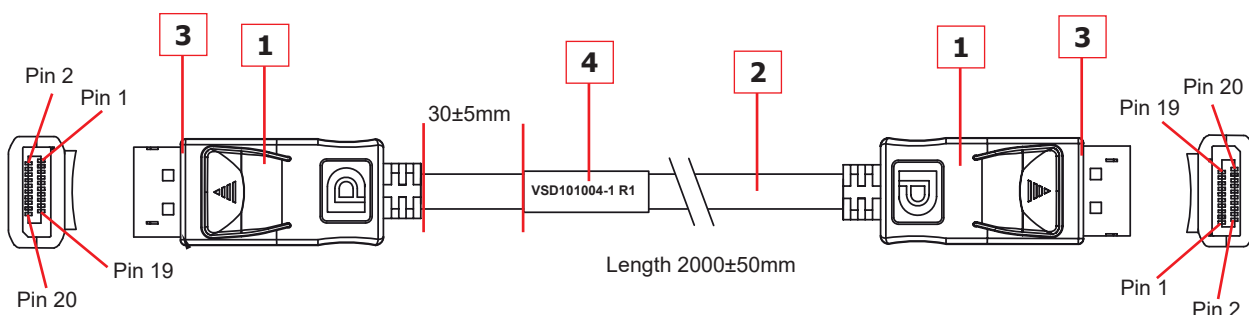
	DP MALE PIN >	Description	< DP MALE PIN
Twisted Pair #1	1	ML_Lane0 (positive)	12
	2	GND	11
	3	ML_Lane0 (negative)	10
Twisted Pair #2	4	ML_Lane1 (positive)	9
	5	GND	8
	6	ML_Lane1 (negative)	7
Twisted Pair #3	7	ML_Lane2 (positive)	6
	8	GND	5
	9	ML_Lane2 (negative)	4
Twisted Pair #4	10	ML_Lane3 (positive)	3
	11	GND	2
	12	ML_Lane3 (negative)	1
	13	GND	13
	14	GND	14
Twisted Pair #5	15	AUX CH (positive)	15
	16	GND	16
	17	AUX CH (negative)	17
	18	Hot Plug	18
	19	Return	19
	20	N/C	20
	Shell	GND/Braid	Shell



MALE



MALE



Item	Description
1	2 x DisplayPort Male Connector with lock. PVC: 60P. INSULATION RESISTANCE: 10M ohm Min/300V DC, 10mS.
2	Shielded twisted pair with drain wire. High Density triple metal shielding. UL20276 (30AWG*IP+D+AL/MYLAR) *5C+30AWG*4C+AEB 6.5FMM
3	CONDUCTOR RESISTANCE: 2 ohm Max
4	1 x White color pad print: "VSD101004-1 R1" (Hatteland Technology typenumber)



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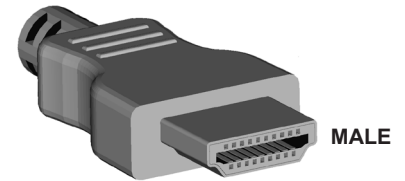
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C-HM/HM-6:

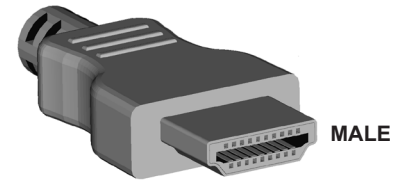
Standard High-Speed HDMI 19-pin to HDMI 19-pin Signal Cable. Length 1.8m, 28AWG, Black, 4K Certified.

All material are RoHS compliant. Leadfree. It supports signals up to 4K@60Hz (4:4:4), DeepColor, x.v.Color™, Lip Sync, 7.1 PCM, Dolby TrueHD, DTS-HD, CEC.

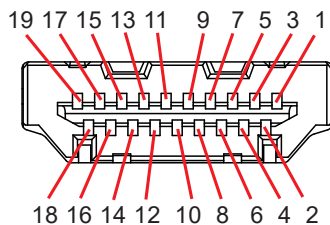
Feature	Description
Video	Max Resolution for 3–15ft (.9–4.6m) lengths: 4K@60Hz (4:4:4) Max Resolution for 25–35ft (7.6–10.7m) lengths: 1080p–12bit Max Resolution for 50ft (15.2m) lengths: 1080p Max Data Rate for 3–15ft (.9–4.6m) lengths: 18 Gbps Max Data Rate for 25–35ft (7.6–10.7m) lengths: 7.65 Gbps Max Data Rate for 50ft (15.2m) lengths: 4.95Gbps Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC
Audio	Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master-Audio™, DVD Audio, SA-CD
Physical	HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector
Conductors	Material: Tinned Copper/Bare Copper 3–35ft (.9–10.7m) lengths: 28AWG (7/0.127) 50ft (15.2m) lengths: 26AWG (7/0.160)
Screening	Type: Triple shielding
Jacket	Material: PVC. Color: Gray. Diameter for 3–35ft (.9–10.7m) lengths: 6.50 ± 0.15mm Diameter for 50ft (15.2m) lengths: 9 ± 0.25
Mechanical	Cable Bending Radius for 3–35ft (.9–10.7m) lengths: 60mm Cable Bending Radius for 50ft (15.2m) lengths: 90mm
Electrical	Temperature Rating: 80°C. Voltage Rating: 30V. Conductor Resistance – 28AWG: 237.25Ω/km Conductor Resistance – 26AWG: 148Ω/km MAX. at 20°C (68°F)
Standards	Safety: Flammability Rating – CL3/FT4
Compliance	Environmental: RoHS 2011/65/ EU



MALE



MALE



Pin #	Description
1	TMDS Data2+
2	TMDS Data2 Shield
3	TMDS Data2-
4	TMDS Data1+
5	TMDS Data1 Shield
6	TMDS Data1-
7	TMDS Data0+
8	TMDS Data0 Shield
9	TMDS Data0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	Reserved (HDMI 1.0–1.3a). Utility/HEAC+ (HDMI 1.4+, optional, HDMI Ethernet Channel and Audio Return Channel)
15	SCL (I²C Serial Clock for DDC)
16	SDA (I²C Serial Data for DDC)
17	Ground (for DDC, CEC, ARC and HEC)
18	+5 V (min. 0.055 A)
19	Hot Plug Detect (all versions). HEAC- (HDMI 1.4+, optional, HDMI Ethernet Channel and Audio Return Channel)

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Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

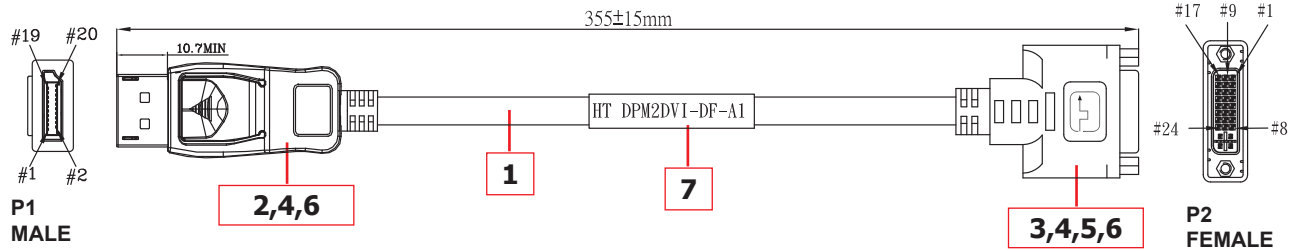
Product: **Appliance cables and connectors suitable for a wide range of Hatteland Technology products**

Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

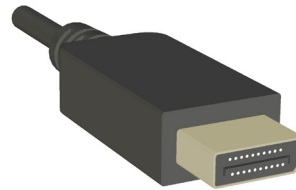
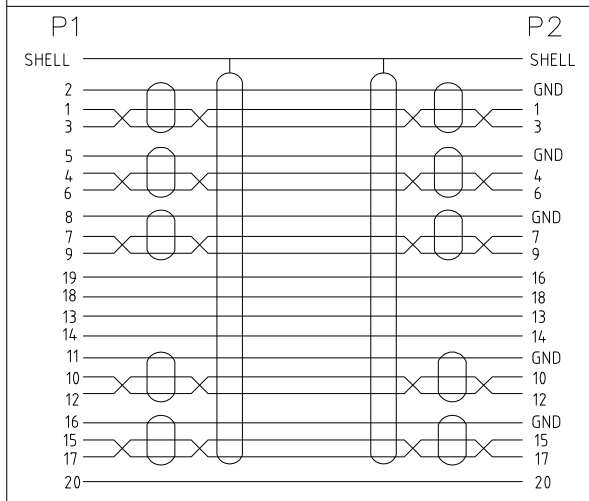
Last Revised: **18 Sep 2024**
Revision#: **19**

RC3473 / HT DPM2DVI-DF-A1:

Standard DP (DisplayPort) 20-pin male to DVI-D 24+5-pin female signal adapter, Black, Length 340mm, All material are RoHS compliant. Note that cable only works One-Way, meaning cable should receive signal in from DisplayPort and would send out to DVI-D and not the other way.



PIN ASSIGNMENT



MALE



FEMALE

Item	Description
1	1 x Cable: UL20276 (30#P*1P+DAM)*4C+30#*1P+28#*5C+AB, BLACK
2	1 x Connector: DP 20PIN MALE NICKLE PLATED SHELL WITH COVER
3	1 x Connector: DVI(24-5) FEMALE WITH NUT
4	Inner: PE-5321 LDPE
5	Hood: BLACK PVC 45P MOLDED
6	COPPER FOIL
7	1 x LABEL MARKED: "HT DPM2DVI-DF-A1"



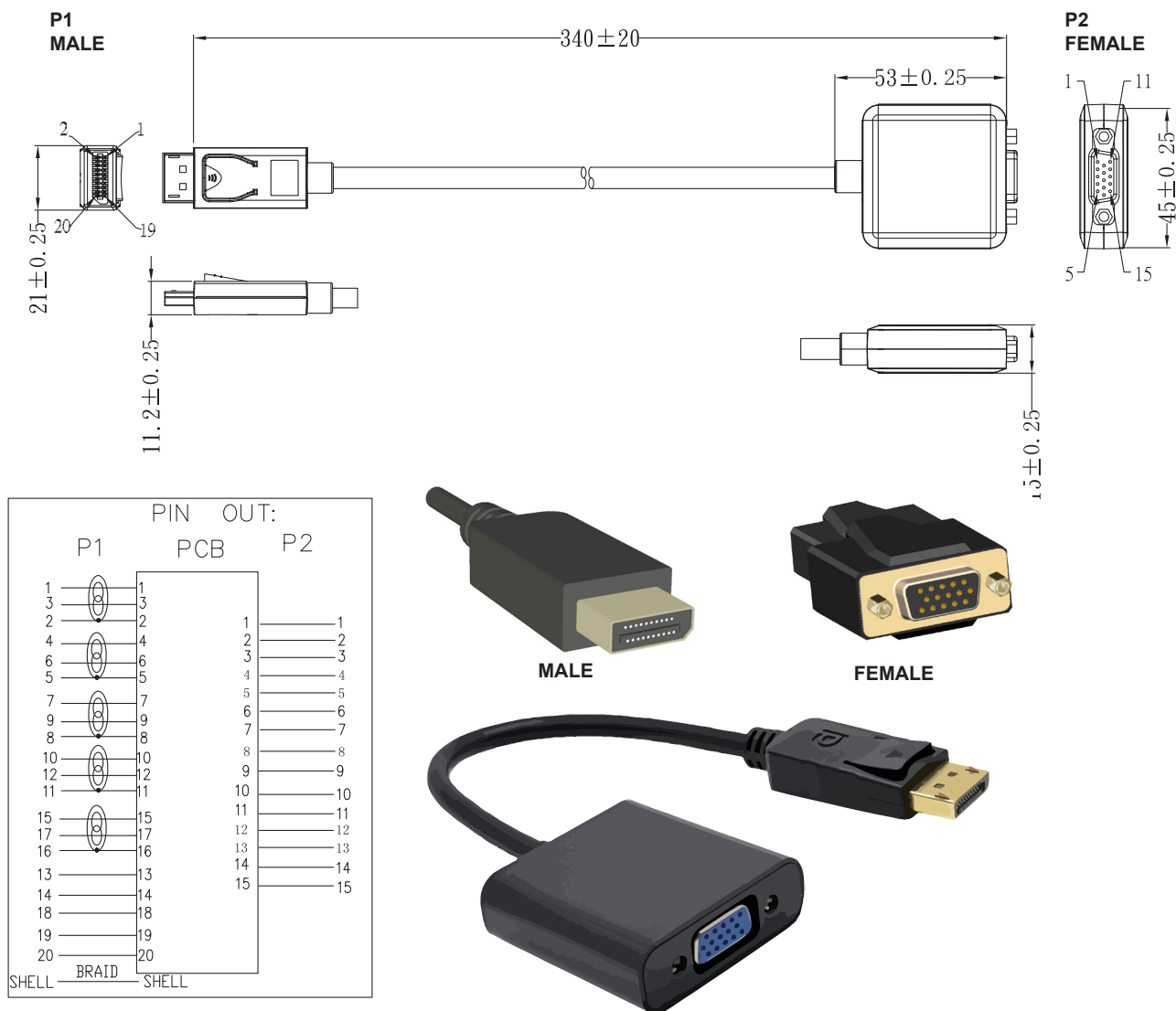
Product: **Appliance cables and connectors suitable for a wide range of Hatteland Technology products**

Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

Last Revised: **18 Sep 2024**
Revision#: **19**

VSDDPVGA340 / HT DPM2VGAF-A1 :

Standard DP (DisplayPort) 20-pin male to VGA HDSUB 15-pin female signal adapter, Black, Length 340mm, All material are RoHS compliant. Note that cable only works One-Way, meaning cable should receive signal in from DisplayPort and would send out to VGA and not the other way.



Product:	Appliance cables and connectors suitable for a wide range of Hatteland Technology products
Type:	DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC

Last Revised:	18 Sep 2024
Revision#:	19

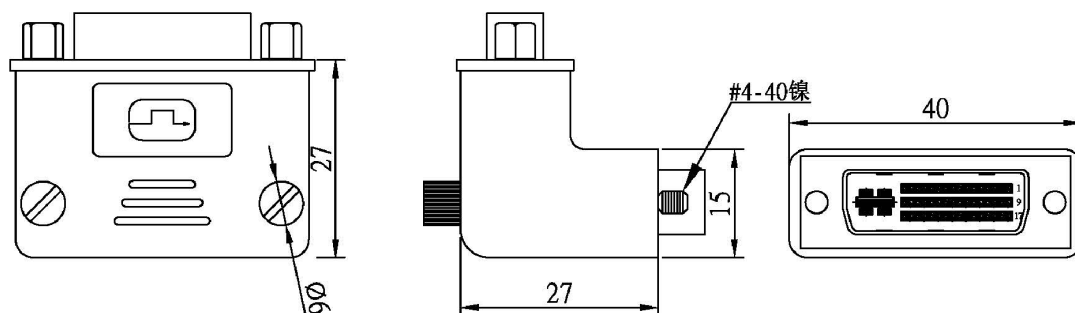
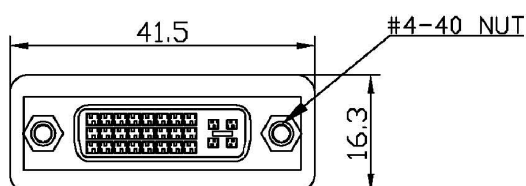
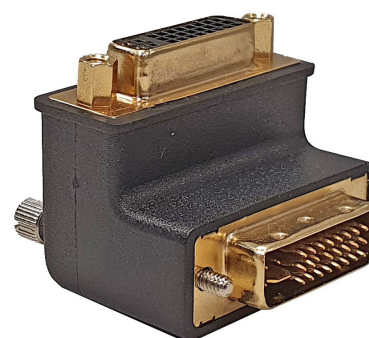
DVI-I Adapter:

Right Angled Adapter (90°) DVI-I Male to Female, all materials are RoHS compliant.

DVI-I Male		DVI-I Female
1	-----	1
2	-----	2
3	-----	3
4	-----	4
5	-----	5
6	-----	6
7	-----	7
8	-----	8
9	-----	9
10	-----	10
11	-----	11
12	-----	12
13	-----	13
14	-----	14
15	-----	15
16	-----	16
17	-----	17
18	-----	18
19	-----	19
20	-----	20
21	-----	21
22	-----	22
23	-----	23
24	-----	24
C1	-----	C1
C2	-----	C2
C3	-----	C3
C4	-----	C4
C5	-----	C5
SHELL	-----	SHELL

Description

- Insulator Material: PBT, UL 94V-0
- Contact Material: Brass, Gold Plated over Nickel
- Shell Finish: Nickel Silver
- Overmold Material: PVC



Product:	Appliance cables and connectors suitable for a wide range of Hatteland Technology products
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Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

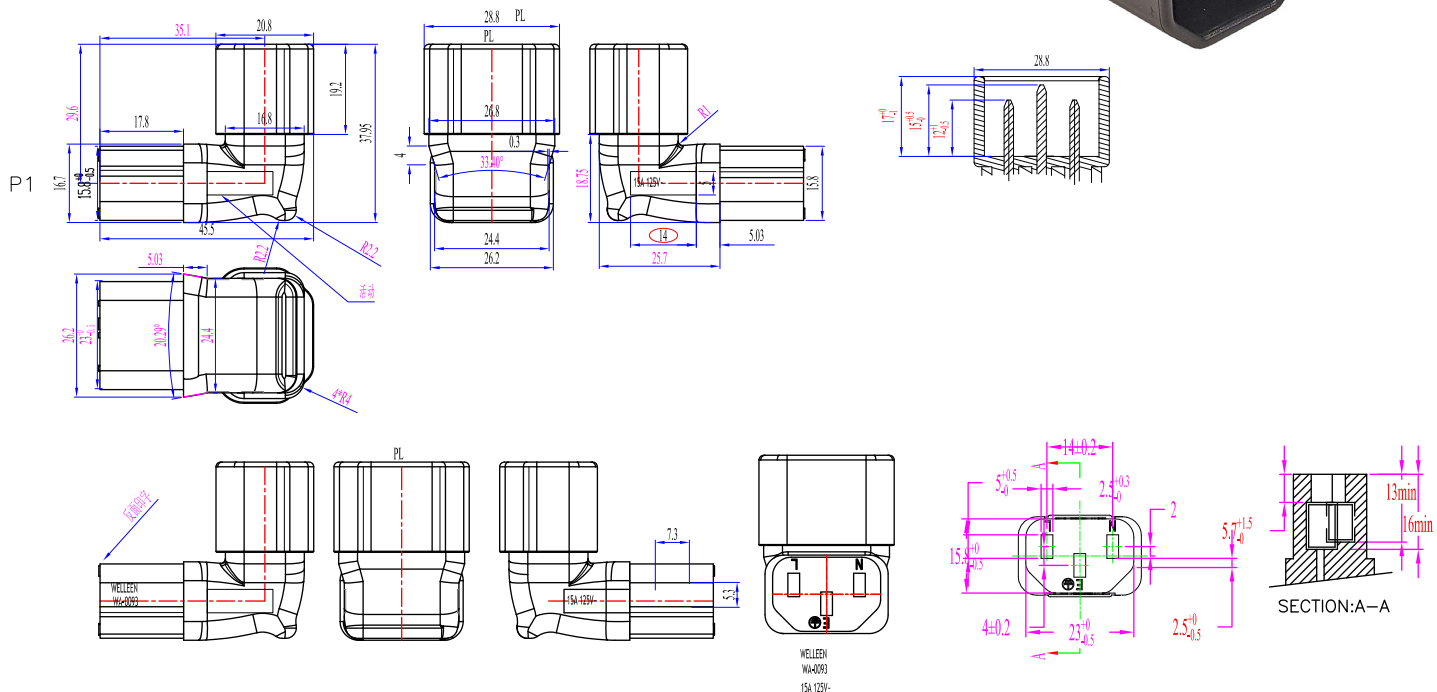
Last Revised:	18 Sep 2024
Revision#:	19

IEC Power Adapter:

Right Angled IEC Adapter, Down Angled IEC 320 C14 to C13 Adapter, all materials are RoHS compliant.

Description

- | |
|---|
| - IEC C14 MALE to IEC 320 C13 FEMALE DOWN ANGLE ADAPTER |
| - MOLDED TYPE |
| - RATED @ MAX 15A 125V |



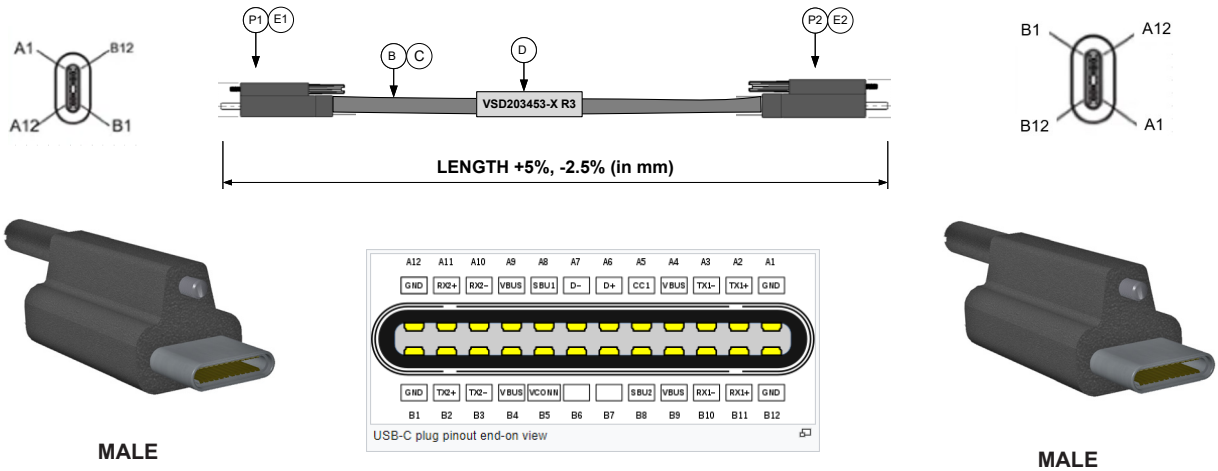
Product: **Appliance cables and connectors suitable for a wide range of Hatteland Technology products**

Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

Last Revised: **18 Sep 2024**
Revision#: **19**

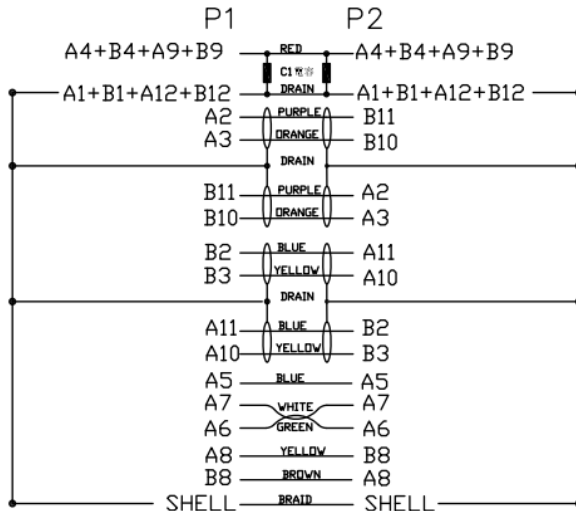
VSD203453-1:

2m USB-C external cable for 4K@24b@60Hz, USB-C Male to USB-C Male w/screw lock, all materials are RoHS compliant.



Item	Description
P	2 x Male - USB3.1 type C, molded PE, Gen 2 (10Gbit/s) with PCB (C1/C2 10nF), USB3.1 Type C/M
B	16 x Cable, PVC jacket, [(32AWG*1P)+D+AI+HM]*4pcs + 32AWGx1P + 32AWGx4C + 26AWGx2C + AM + Braid. OD:4.8mm 80C, at 20V Min 60W, 3A or higher rated.
C	1 x Shield, High Density triple metal shielding (min. 85%)
D	1 x Label
E	2 x M2 Locking, M2 Screw Single Row Locking Mold

PIN ASSIGNMENT



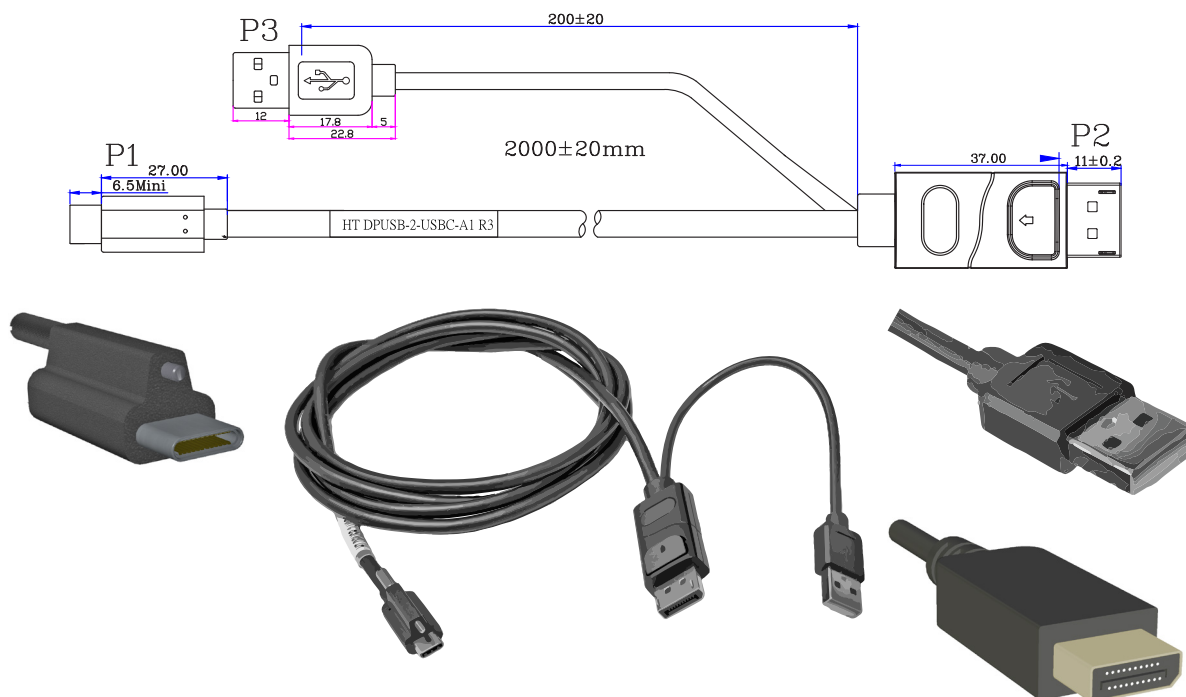
Product: **Appliance cables and connectors suitable for a wide range of Hatteland Technology products**

Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

Last Revised: **18 Sep 2024**
Revision#: **19**

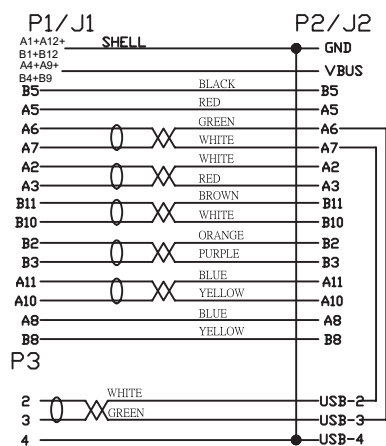
HT DPUSB-2-USBC-A1:

USB-C external cable for 4K@24b@60Hz, USB-C Male w/screw lock to DP, USB2.0 all materials are RoHS compliant.



Item	Description
P1	Male - USB3.1 type C, molded PE, Gen 2 (10Gbit/s) with PCB (C1/C2 10nF), USB3.1 Type C/M
P2	DisplayPort Male Connector with lock. PVC: 60P.
P3	USB Male Connector version 2.0

PIN ASSIGNMENT

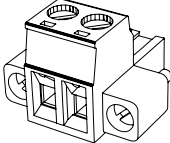
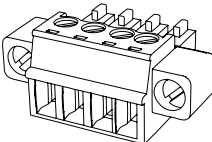
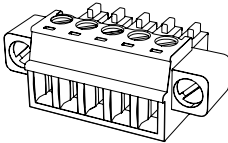


Product: **Appliance cables and connectors suitable for a wide range of Hatteland Technology products**

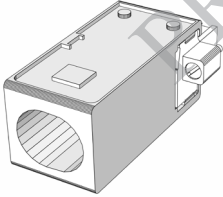
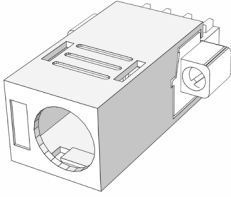
Type: **DSUB, DVI, DP, HDMI, Power, Serial, Adapters, BNC**

Last Revised: **18 Sep 2024**
Revision#: **19**

Type Number:	Connector / Function:	Recommended Cable Thickness:
1109889	2-pin DC Power Input (Terminal Block 5.08)	Minimum 20 AWG - Maximum 18 AWG
1792970000	4-pin CAN (Terminal Block 3.81)	Minimum 22 AWG - Maximum 20 AWG
1827732	5-pin NMEA COM (Terminal Block 3.81)	Minimum 22 AWG - Maximum 18 AWG
1827732	5-pin DIO (Terminal Block 3.81)	Minimum 22 AWG - Maximum 18 AWG

	2-pin	MSTB 2,5/ 2-STF-5,08 BK Screwdriver: SZS 0,6x3,5, slot-headed. Tightening torque min. 0.5 Nm. Tightening torque max 0.6 Nm.	<ul style="list-style-type: none"> DC Power IN (24VDC) - Dual Input <p>Identified on Hatteland Technology product datasheet as: "Terminal Block 5.08"</p>
	4-pin	BCZ 3.81/04/180F SN BK BX Screwdriver: 0.4x2.5mm DIN 5264. Tightening torque min.. 0.2 Nm. Tightening torque max. 0.25 Nm.	<ul style="list-style-type: none"> CAN Interface (ZIA0001310-B / ZIA0001310-SLCAN) <p>Identified on Hatteland Technology product datasheet as: "Terminal Block 3.81"</p>
	5-pin	MC 1,5/ 5-STF-3,81 Screwdriver: SZS 0,4X2,5mm VDE, slot-headed. Tightening torque min. 0.22 Nm. Tightening torque max 0.25 Nm.	<ul style="list-style-type: none"> RS-422 / RS-485 NMEA (PCA200828-1 / PCA100293-1 Q170 IO) Digital Input/Output (PCA100297-1 / Q170 IO) <p>Identified on Hatteland Technology product datasheet as: "Terminal Block 3.81"</p>

If your installation requires additional cable fasteners support, these can be purchased from a third-party manufacturer: Illustrations below are approximate, actual Housing and Hood may deviate slightly, but function remains the same.

Cable Housing - Illustration	Cover Hood - Illustration
 <p>KGG-MSTB 2,5/ 2 (2-pin) KGG-MC 1,5/ 5 (5-pin)</p>	 <p>BCZ 3.81 AH04 BK BX (4-pin) BCZ 3.81 AH05 BK BX (5-pin)</p>
<p>For 2-pin and 5-pin: https://www.phoenixcontact.com/online/portal/us?uri=pxc-oc-itemdetail:pid=1803934&library=usen&pcck=P-11-02-01&tab=1 https://www.phoenixcontact.com/online/portal/us?uri=pxc-oc-itemdetail:pid=1834372&library=usen&pcck=P-11-02-01&tab=1 </p> <p>For 4-pin and 5-pin http://catalog.weidmueller.com/procat/Product.jsp;jsessionid=B040D5EB6832629E567C884809FDF6C1?productId=(%5b1005290000%5d) http://catalog.weidmueller.com/procat/Product.jsp;jsessionid=D399022A1B3211C0146BCBE716D93211?productId=(%5b1005300000%5d) </p>	