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Part Number: [0687830001](#)
Status: **Active**
Overview: [displayport](#)
Description: DisplayPort*-to-DisplayPort* Cable Assembly with Latches, 3.0m (9.84') Length

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-68783-001 \(PDF\)](#)

General

Product Family Cable Assemblies
 Series [68783](#)
 Connector to Connector DisplayPort* Both Ends
 Overview [displayport](#)
 Product Name DisplayPort*

Physical

Cable Length 3.0m (9.84')
 Circuits (Loaded) 20
 Color - Resin Black
 Gender Male-Male
 Lock to Mating Part Yes
 Material - Metal Brass, Stainless Steel
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin ABS Alloy, High Temperature Thermoplastic
 Packaging Type Bag
 Pitch - Mating Interface (in) 0.039 In
 Pitch - Mating Interface (mm) 1.00 mm
 Plating min: Mating (µin) 32
 Plating min: Mating (µm) 0.8
 Plating min: Termination (µin) 80
 Plating min: Termination (µm) 2
 Single Ended No
 Termination Interface: Style Surface Mount
 Waterproof / Dustproof No
 Wire Insulation Diameter N/A
 Wire Size AWG 30
 Wire/Cable Type Round

Electrical

Current - Maximum per Contact 0.5A
 Impedance 100 ohms
 Shield Type Full Shield
 Shielded Yes
 Voltage - Maximum 40V

Material Info

Reference - Drawing Numbers

Packaging Specification PK-68783-001
 Product Specification PS-68783-001
 Sales Drawing SD-68783-001

*DisplayPort is a Trademark of VESA



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

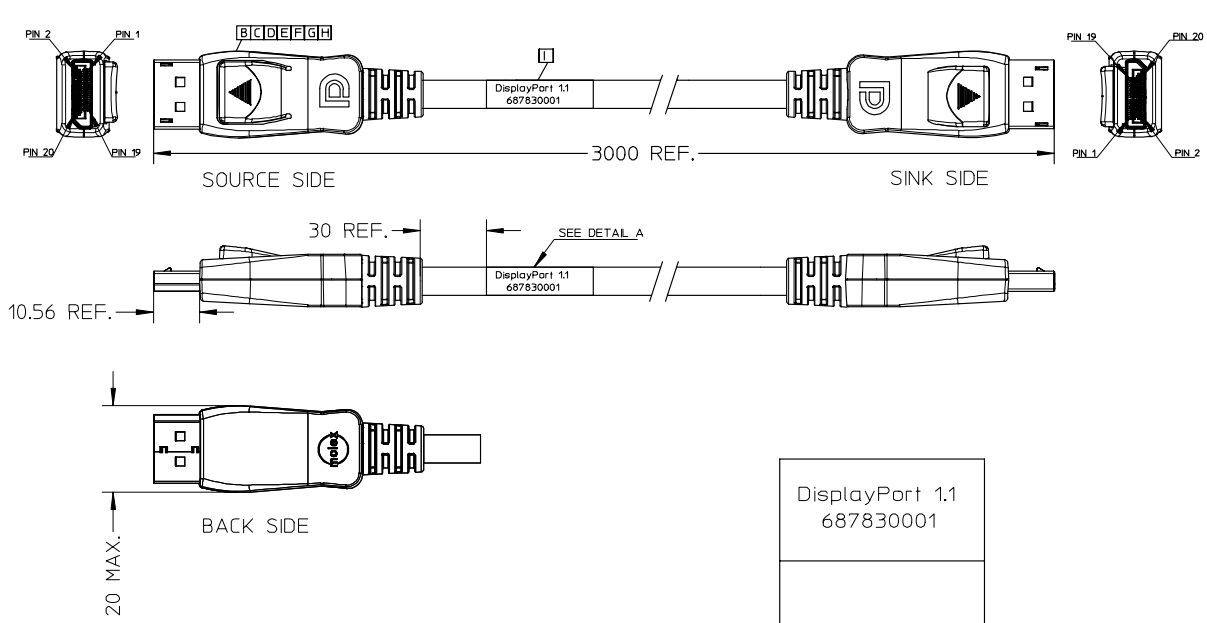
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[68783Series](#)

Mates With
[47272 DisplayPort* Receptacle](#)

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DisplayPort 1.1
687830001

DETAIL A

ENTER DESCRIPTION EC NO: DG2007-0155 DRWN: JL IU13 CHKD: BLAU APPR: BLAU 2007/04/11 2007/04/13 2007/04/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES	±---	±---	DRAWN BY JL IU13	DATE 2007/04/11	TITLE DISPLAYPORT 3M WITH LATCH CABLE ASS'Y	
		3 PLACES	±---	±---	CHECKED BY BLAU	DATE 2007/04/11	APPROVED BY BLAU	
			ANGULAR ±---					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. 687830001	DATE 2007/04/11	DOCUMENT NO. SD-68783-001	SHEET NO. 1 OF 2		
			SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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WIRE DIAGRAM:

SHELL		OVERALL BRAID	SHELL	
PIN 20	PWR	N/A	PIN 20	PWR
PIN 19	Re-PWR	ORANGE	PIN 19	Re-PWR
PIN 18	HPD	YELLOW	PIN 18	HPD
PIN 17	AUX(n)	WHITE	PIN 17	AUX(n)
PIN 16	GND	GND	PIN 16	GND
PIN 15	AUX(p)	WHITE	PIN 15	AUX(p)
PIN 14	GND	RED	PIN 14	GND
PIN 13	GND	BROWN	PIN 13	GND
PIN 12	ML3(n)	WHITE	PIN 1	ML3(n)
PIN 11	GND	DRAIN	PIN 2	GND
PIN 10	ML3(p)	WHITE	PIN 3	ML3(p)
PIN 9	ML2(n)	WHITE	PIN 4	ML2(n)
PIN 8	GND	DRAIN	PIN 5	GND
PIN 7	ML2(p)	WHITE	PIN 6	ML2(p)
PIN 6	ML1(n)	WHITE	PIN 7	ML1(n)
PIN 5	GND	DRAIN	PIN 8	GND
PIN 4	ML1(p)	WHITE	PIN 9	ML1(p)
PIN 3	ML0(n)	WHITE	PIN 10	ML0(n)
PIN 2	GND	DRAIN	PIN 11	GND
PIN 1	ML0(p)	WHITE	PIN 12	ML0(p)
SOURCE SIDE	Pin Description	WIRE COLOR	SINK SIDE	Pin Description

NOTE:

1. THE PRODUCT MUST MEET RoHS COMPLIANCE.
2. THE STRAIN RELIEF SHALL BE OVERMOLD WITH BLACK PVC .
3. THE CABLE ASSEMBLY CAN MEET DisplayPort SPECIFICATION 1.1 REVISION.

I	LABEL	172000487	1
H	COVER-UP WITH LATCH	47271-0004	2
G	COVER-DOWN	47271-0005	2
F	LATCH 2	47271-2016	2
E	LATCH 1	47271-1016	2
D	INNER-SHELL-LOWER	47271-1009	2
C	INNER-SHELL-UPPER WITH LATCH	47271-1008	2
B	PLUG SUB-ASS'Y CONN.	47271-0011	2
A	DisplayPort AWG30 CABLE		3M ref. 1
ITEM	DESCRIPTION		LENGTH QTY.

ENTER DESCRIPTION EC NO: DG2007-0155 DRWN: JL1U13 CHKD: BLAU APPR: BLAU 2007/04/11 2007/04/13 2007/04/16	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY	---	METRIC		
		4 PLACES	±---	±---	DRAWN BY	DATE	TITLE	
		3 PLACES	±---	±---	JL1U13	2007/04/11	DISPLAYPORT 3M WITH LATCH CABLE ASS'Y	
2 PLACES	±---	±---	CHECKED BY	DATE				
1 PLACE	±---	±---	BLAU	2007/04/11				
ANGULAR ±---°		APPROVED BY		DATE				
		BLAU		2007/04/11				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.		SHEET NO.			
		687830001	SD-68783-001		2 OF 2			
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