

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0687830008](#)  
**Status:** **Active**  
**Overview:** [displayport](#)  
**Description:** DisplayPort\*-to-DisplayPort\* Cable Assembly without Latches, 2.0m (6.56' ) Length

**Documents:**

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

**General**

Product Family	Cable Assemblies
Series	<a href="#">68783</a>
Connector to Connector	DisplayPort* Both Ends
Overview	<a href="#">displayport</a>
Product Name	DisplayPort*

**Physical**

Cable Length	2.0m (6.56' )
Circuits (Loaded)	20
Color - Resin	Black
Gender	Male-Male
Lock to Mating Part	No
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**

Product Specification	PS-68783-001
Sales Drawing	SD-68783-005

\*DisplayPort is a Trademark of VESA



*image - Reference only*

**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](mailto: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.

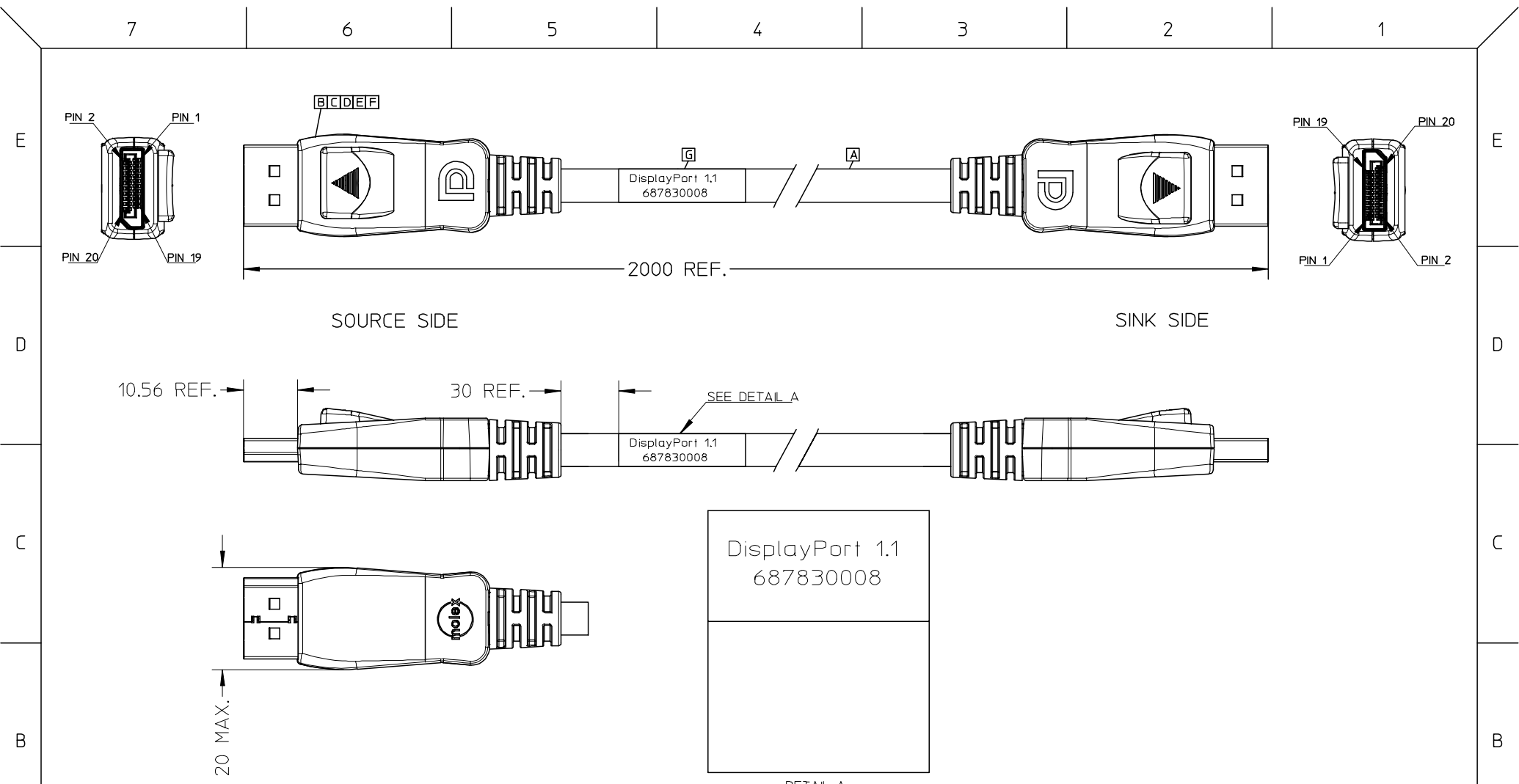
**Search Parts in this Series**

[68783Series](#)

**Mates With**

[47272 DisplayPort\\* Receptacle](#)

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ENTER DESCRIPTION EC NO: DG2007-0155 DRWN: JLIU13 2007/04/11 CHKD: BLAU 2007/04/13 APPR: BLAU 2007/04/16	DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> <tr> <td colspan="3">ANGULAR ±---°</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	ANGULAR ±---°			DIMENSION STYLE <b>MM ONLY</b> DRAWN BY: JLIU13 DATE: 2007/04/11	SCALE: --- DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: 2M DISPLAYPOR CABLE ASS'Y WITHOUT LATCH
			mm	INCH																				
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.: 687830008	APPROVED BY: BLAU DATE: 2007/04/11	MOLEX INCORPORATED	SHEET NO.: 1 OF 2																				
SIZE: A/4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
DOCUMENT NO.: SD-68783-005																								

WIRE DIAGRAM:

SHELL		BRAID	SHELL	
PIN 20	PWR		PIN 20	PWR
PIN 19	Re-PWR	PIN 19	Re-PWR	
PIN 18	HPD	PIN 18	HPD	
PIN 17	AUX(n)	PIN 17	AUX(n)	
PIN 16	GND	PIN 16	GND	
PIN 15	AUX(p)	PIN 15	AUX(p)	
PIN 14	GND	PIN 14	GND	
PIN 13	GND	PIN 13	GND	
PIN 12	ML3(n)	PIN 1	ML3(n)	
PIN 11	GND	PIN 2	GND	
PIN 10	ML3(p)	PIN 3	ML3(p)	
PIN 9	ML2(n)	PIN 4	ML2(n)	
PIN 8	GND	PIN 5	GND	
PIN 7	ML2(p)	PIN 6	ML2(p)	
PIN 6	ML1(n)	PIN 7	ML1(n)	
PIN 5	GND	PIN 8	GND	
PIN 4	ML1(p)	PIN 9	ML1(p)	
PIN 3	ML0(n)	PIN 10	ML0(n)	
PIN 2	GND	PIN 11	GND	
PIN 1	ML0(p)	PIN 12	ML0(p)	
SOURCE SIDE	Pin Description		SINK SIDE	Pin Description

NOTE:

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

G	LABEL	172000487	1
F	COVER-UP WITHOUT LATCH	47271-1004	2
E	COVER-DOWN	47271-0005	2
D	INNER-SHELL-LOWER	47271-1009	2
C	INNER-SHELL-UPPER WITHOUT LATCH	47271-3008	2
B	PLUG SUB-ASSY CONN.	47271-1011	2
A	DisplayPort AWG30 CABLE	2000MM	1
ITEM	DESCRIPTION	LENGTH	QTY.

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