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**Part Number:** [0687830007](#)  
**Status:** **Active**  
**Overview:** [displayport](#)  
**Description:** DisplayPort\*-to-DisplayPort\* Cable Assembly with 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
MolexKits	Yes
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	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**

Product Specification	PS-68783-001
Sales Drawing	SD-68783-006

\*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](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](#)

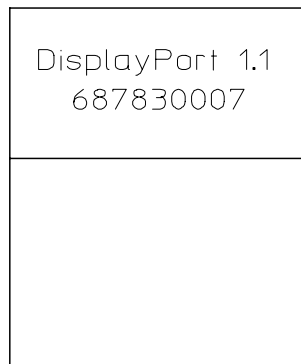
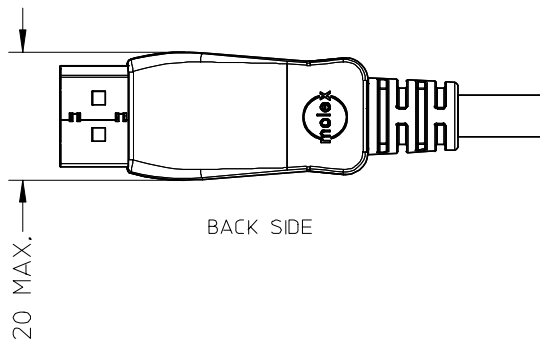
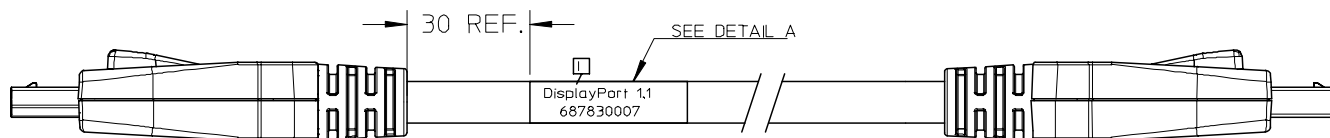
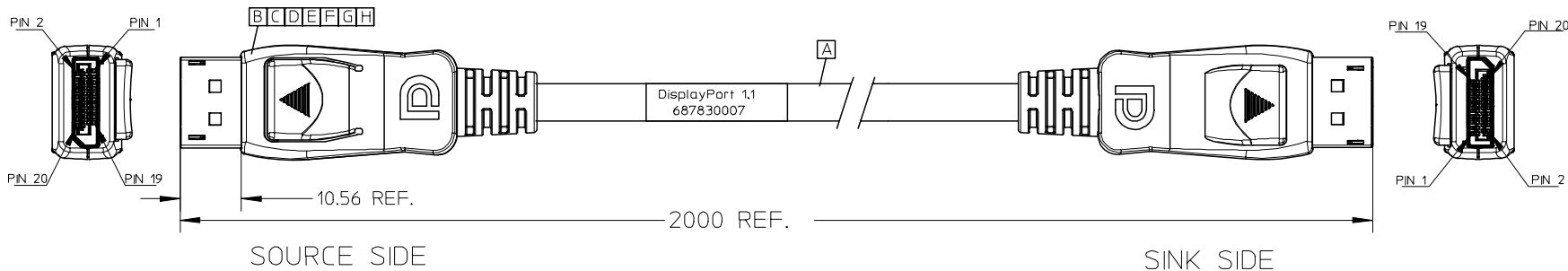
**Mates With**

[47272 DisplayPort\\* Receptacle](#)

This document was generated on 06/07/2010

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DETAIL A

ENTER DESCRIPTION EC NO: DG2007-0155 DRWN: JLIU13 2007/04/11 CHKD: BLAU 2007/04/13 APPR: BLAU 2007/04/16	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	±---	±---	JLIU13	2007/04/11	2M DISPLAYPOR CABLE ASS'Y WITH LATCH			
		3 PLACES	±---	±---	CHECKED BY	DATE	MOLEX INCORPORATED			
		2 PLACES	±---	±---	BLAU	2007/04/11	MATERIAL NO.		DOCUMENT NO.	
1 PLACE	±---	±---	APPROVED BY		DATE	687830007		SD-68783-006		1 OF 2
		ANGULAR ±---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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	MLO(n)		PIN 10	MLO(n)
PIN 2	GND		PIN 11	GND
PIN 1	MLO(p)		PIN 12	MLO(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.

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-ASSY CONN.	47271-0011		2
A	DisplayPort AWG30 CABLE		2000MM	1
ITEM	DESCRIPTION		LENGTH	QTY.

ENTER DESCRIPTION EC NO: DG2007-0155 DRWN: JLIU13 CHKD: BLAU APPR: BLAU	2007/04/11 2007/04/13 2007/04/16	DESCRIPTION REV	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE				
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2 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED								
1 PLACE	± ---	± ---	BLAU	2007/04/11									
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.	SHEET NO.							
				687830007	SD-68783-006	2 OF 2							
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
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