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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](#)

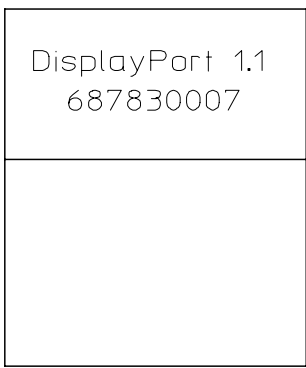
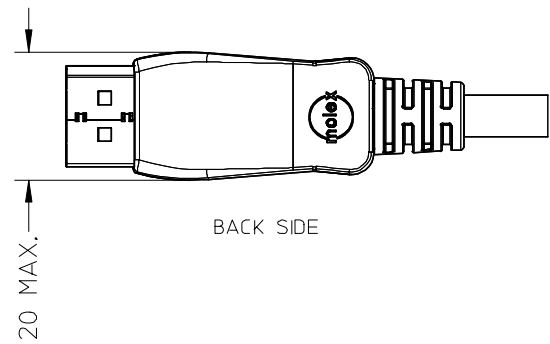
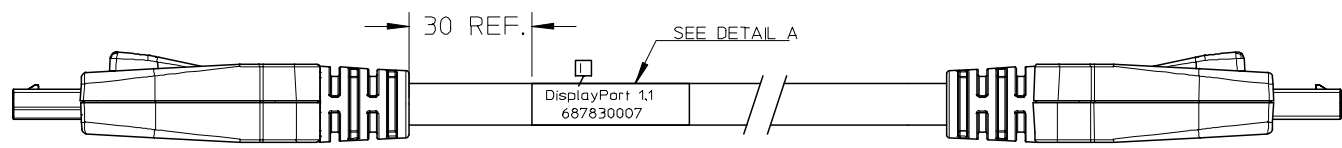
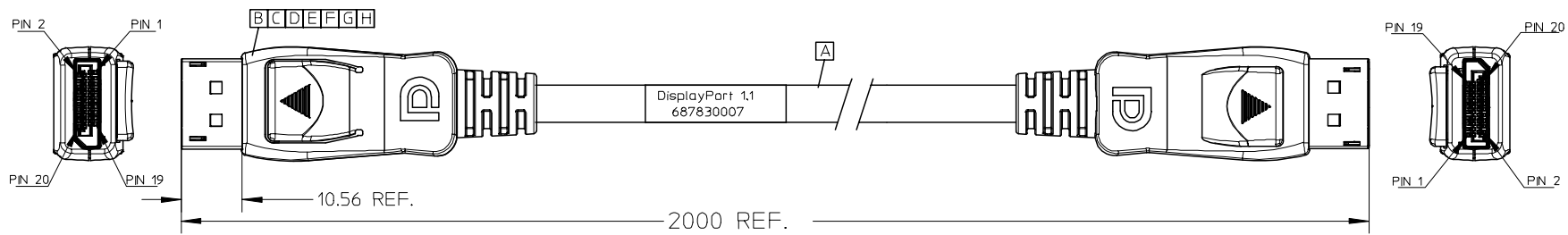
**Mates With**

[47272 DisplayPort\\* Receptacle](#)

This document was generated on 06/07/2010

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7 6 5 4 3 2 1



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) mm INCH	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	DRAWN BY JLIU13	DATE 2007/04/11	TITLE 2M DISPLAYPOR CABLE ASS'Y WITH LATCH		
		3 PLACES ± --- ± ---	CHECKED BY BLAU	DATE 2007/04/11	MOLEX INCORPORATED		
		2 PLACES ± --- ± ---	APPROVED BY BLAU	DATE 2007/04/11	MATERIAL NO. 687830007	DOCUMENT NO. SD-68783-006	SHEET NO. 1 OF 2
		1 PLACE ± --- ± ---	ANGULAR ± ---°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

6 5 4 3 2 1





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.

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.

<b>ENTER DESCRIPTION</b> EC NO: DG2007-0155 DRWN: JLIU13 2007/04/11 CHKD: BLAU 2007/04/13 APPR: BLAU 2007/04/16	<b>QUALITY SYMBOLS</b>  = 0  = 0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> ---	<b>DESIGN UNITS</b> METRIC	 <b>THIRD ANGLE PROJECTION</b>		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm      INCH	DRAWN BY JLIU13	DATE 2007/04/11	<b>TITLE</b> 2M DISPLAYPOR CABLE ASS'Y WITH LATCH			
		ANGULAR ± ---°	<b>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</b>	CHECKED BY BLAU	DATE 2007/04/11	<b>MOLEX INCORPORATED</b>			
				APPROVED BY BLAU	DATE 2007/04/11	<b>MATERIAL NO.</b> 687830007	<b>DOCUMENT NO.</b> SD-68783-006	<b>SHEET NO.</b> 2 OF 2	
<b>REV</b> A	<b>DESCRIPTION</b>			<b>SIZE</b>  A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				