

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)

Product Specification PS-68783-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Cable Assemblies
Series	68783
Connector to Connector	DisplayPort* Both Ends
Overview	displayport
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



Series
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?

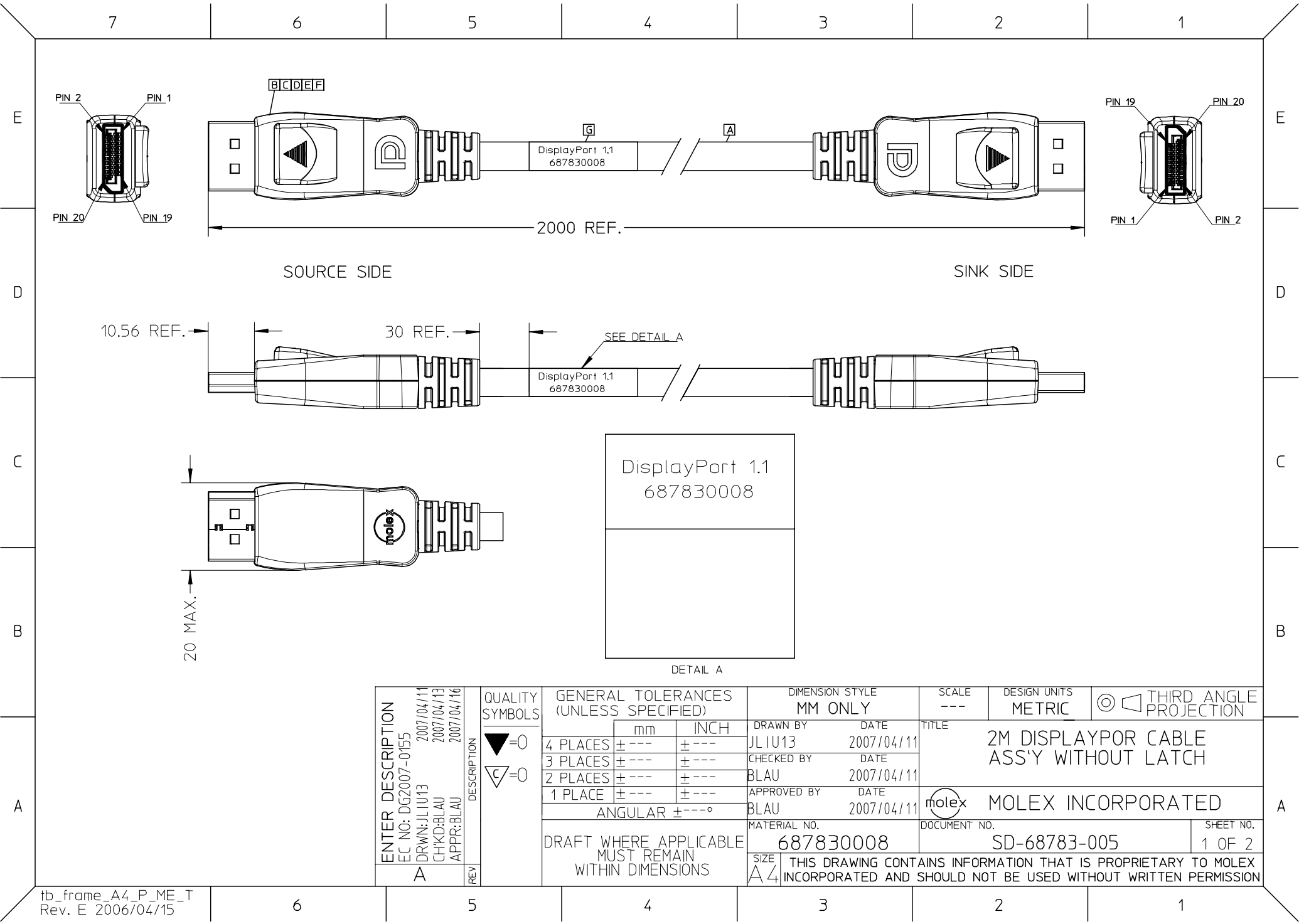
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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 CHKD: BLAU APPR: BLAU A	DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JLIU13	DATE 2007/04/11	TITLE 2M DISPLAYPOR CABLE ASS'Y WITHOUT LATCH						
			4 PLACES	± ---	± ---	CHECKED BY BLAU	DATE 2007/04/11							
			3 PLACES	± ---	± ---	APPROVED BY BLAU		DATE 2007/04/11		MOLEX INCORPORATED				
			2 PLACES	± ---	± ---									
			1 PLACE	± ---	± ---									
			ANGULAR ± ---°			MATERIAL NO. 687830008		DOCUMENT NO. SD-68783-005			SHEET NO. 1 OF 2			
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											

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WIRE DIAGRAM:

SHELL		BRAID	SHELL	
PIN	DESCRIPTION		PIN	DESCRIPTION
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-ASS'Y CONN.	47271-1011		2
A	DisplayPort AWG30 CABLE		2000MM	1
ITEM	DESCRIPTION		LENGTH	QTY.

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				ANGULAR ± ---°			MATERIAL NO. 687830008		DOCUMENT NO. SD-68783-005			SHEET NO. 2 OF 2				
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