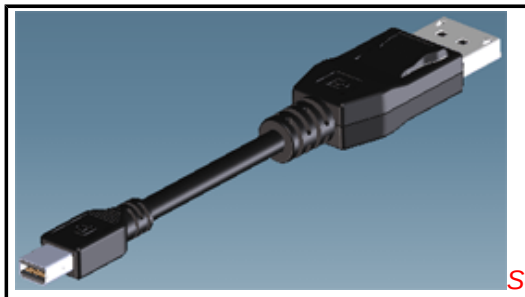
This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0687850002
Status: Active
Overview: displayport
Description: Mini DisplayPort*(Plug)-to-DisplayPort*(Plug) Cable Assembly, 1.5m (4.92'), Lead-free



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-68785-0001 (PDF)

General

Product Family	Cable Assemblies
Series	68785
Connector to Connector	Mini DisplayPort*-to-DisplayPo
Overview	displayport
Product Name	DisplayPort*, Mini DisplayPort*

Physical

Cable Length	1.50m (4.92')
Circuits (Loaded)	20
Color - Resin	Black
Gender	Male-Male
Lock to Mating Part	Yes
Packaging Type	Carton
Pitch - Mating Interface (in)	0.024 In, 0.039 In
Pitch - Mating Interface (mm)	0.60 mm, 1.00 mm
Single Ended	No
Waterproof / Dustproof	No
Wire Insulation Diameter	N/A
Wire/Cable Type	Round

Electrical

Current - Maximum per Contact	.5A
Impedance	100 ohms
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	40V AC

Material Info

Reference - Drawing Numbers

Product Specification	PS-68785-0001
Sales Drawing	SD-68785-0001

Mini DisplayPort* and DisplayPort* are trademarks or registered trademarks 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
68785Series

Mates With
105081 Mini DisplayPort* Receptacles,
47272 DisplayPort* Receptacles

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REVISIONS				
ECN NO	DATE	REVISION	DESCRIPTION	CHANGER
	SEP 03,09	A	INITIAL RELEASE	JOE XIE

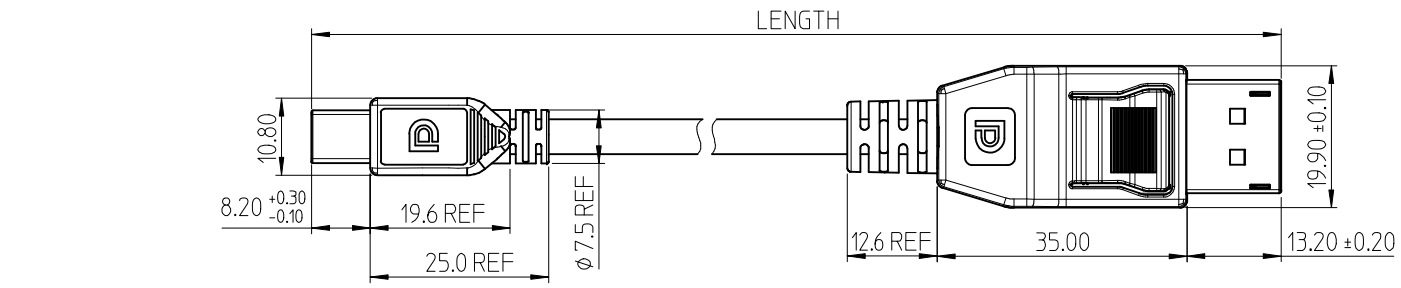
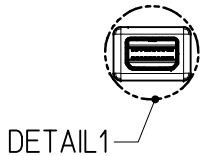
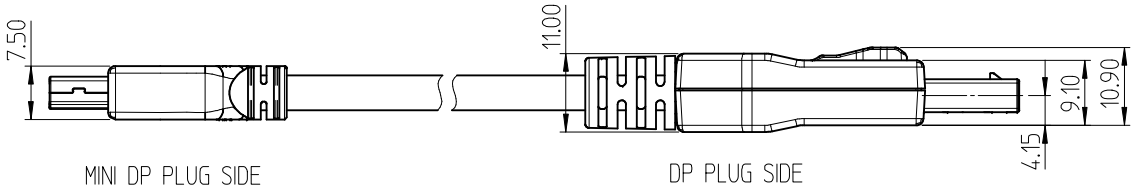
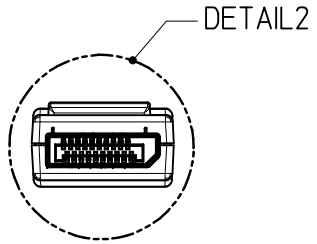


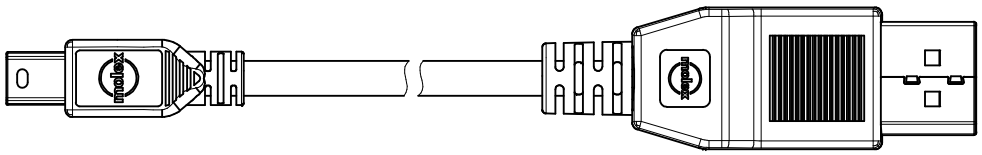
TABLE-1:

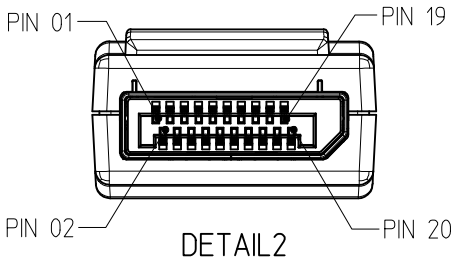
PART NO.	LENGTH
687850003	2000±40
687850002	1500±30
687850001	1000±20

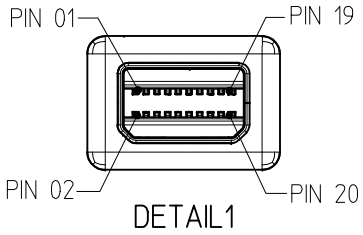












EC NO: DG2010-0088	2009/11/03	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH	DIMENSION STYLE: MM ONLY
DRWN: YQXIE	2009/11/03		▼=0	4 PLACES	± ---	± ---	SCALE: ---
CH'KD: CLUO	2009/11/03		▽C=0	3 PLACES	± ---	± ---	DESIGN UNITS: METRIC
APPR: CLUO				2 PLACES	± 0.25	± ---	THIRD ANGLE PROJECTION
A		REV		1 PLACE	± 0.5	± ---	
				ANGULAR ±1/2°			

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRAWN BY DATE

CHECKED BY DATE

APPROVED BY DATE

TITLE: MINIDP PLUG TO DP PLUG CABLE ASSY (GENERAL)

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE-1

DOCUMENT NO.: SD-68785-0001

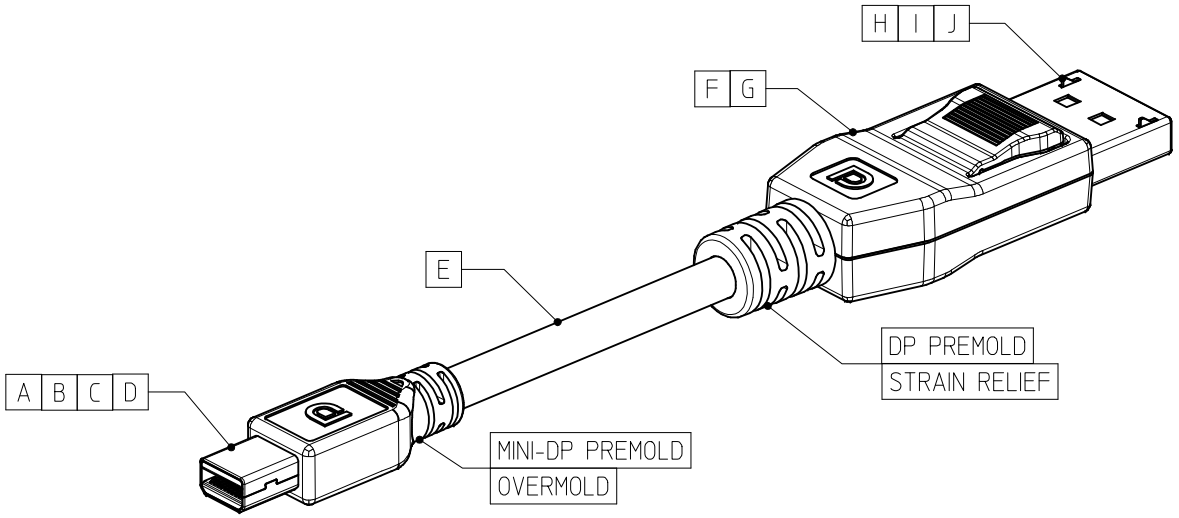
SHEET NO.: 1 OF 2

SIZE: A4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

WIRING DIAGRAM

MINI DP PLUG SOURCE SIDE	FUNCTION	DP PLUG SINK SIDE
PIN 01	GROUND	PIN 11
PIN 03	ML0+	PIN 12
PIN 05	ML0-	PIN 10
PIN 07	GROUND	PIN 08
PIN 09	ML1+	PIN 09
PIN 11	ML1-	PIN 07
PIN 13	GROUND	PIN 05
PIN 15	ML2+	PIN 06
PIN 17	ML2-	PIN 04
PIN 19	GROUND	PIN 19
PIN 02	HOT PLUG DETECT	PIN 18
PIN 04	CONFIG 1	PIN 13
PIN 06	CONFIG 2	PIN 14
PIN 08	GROUND	PIN 02
PIN 10	ML3+	PIN 03
PIN 12	ML3-	PIN 01
PIN 14	GROUND	PIN 16
PIN 16	AUX+	PIN 15
PIN 18	AUX-	PIN 17
PIN 20	NO CONNECTION	PIN 20
SHELL	GROUND	SHELL



NOTES:

1. MATERIALS:
   OVERMOLD: PVC, COLOR BLACK, UL94-V0;
   STRAIN RELIEF: PVC, COLOR BLACK, UL94-V0;
   CABLE: PVC JACKET, BLACK, UL94-VW-1.
2. THE PRODUCT COMPLIANT TO MOLEX ES-40000-5016.

ITEM	DESCRIPTION	MATERIAL	USAGE
J	DP PLUG WITH LATCH	---	1 PCS
I	INNER LOWER SHELL FOR DP	COPPER ALLOY	1 PCS
H	INNER UPPER SHELL FOR DP	COPPER ALLOY	1 PCS
G	LOWER COVER FOR DP, BLACK	ABS+PC	1 PCS
F	UPPER COVER FOR DP, BLACK	ABS+PC	1 PCS
E	MINI DP CABLE	---	---
D	BOTTOM SHELL FOR MINI DP PLUG	COPPER ALLOY	1 PCS
C	TOP SHELL FOR MINI DP PLUG	COPPER ALLOY	1 PCS
B	SHIELD SHELL FOR MINI DP PLUG	COPPER ALLOY	1 PCS
A	SUB-ASSEMBLY FOR MINI DP PLUG	---	1 PCS

EC NO: DG2010-0088 2009/11/03
DRWN: YQXIE 2009/11/03
CH'KD: CLUO 2009/11/03
APPR: CLUO
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.5	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY DATE
CHECKED BY DATE
APPROVED BY DATE
MATERIAL NO.: SEE TABLE-1
TITLE: MINIDP PLUG TO DP PLUG CABLE ASSY (GENERAL)
molex MOLEX INCORPORATED
DOCUMENT NO.: SD-68785-0001
SHEET NO.: 2 OF 2
SIZE: A4

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