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Part Number: [0887667700](#)
Status: **Active**
Description: 1.90mm (.075") Pitch MicroCross™ P&D Analog (M)-to-VGA (Male) + USB Type A (M), 2.0m (6.56') Length, Leadfree

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Cable Assemblies
 Series [88745](#)
 Connector to Connector MicroCross™ P&D-to-VGA/USB
 Product Name MicroCross™P&D

Physical

Cable Length 2.0m (6.56')
 Circuits (Loaded) 30
 Color - Resin Black, Natural
 Gender Male-Male
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Low Density Polyethylene, Polyester
 Packaging Type Bag
 Pitch - Mating Interface (in) 0.075 In
 Pitch - Mating Interface (mm) 1.90 mm
 Plating min: Mating (µin) 10, 2
 Plating min: Mating (µm) 0.05, 0.25
 Plating min: Termination (µin) 150
 Plating min: Termination (µm) 3.80
 Single Ended No
 Termination Interface: Style N/A
 Wire Insulation Diameter N/A
 Wire Size AWG 20, 26
 Wire/Cable Type PVC

Electrical

Current - Maximum per Contact 0.4A
 Shielded Yes
 Voltage - Maximum 40V

Material Info

Reference - Drawing Numbers

Sales Drawing SD-88766-077

EU RoHS

RoHS Compliant by Exemption
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](#)

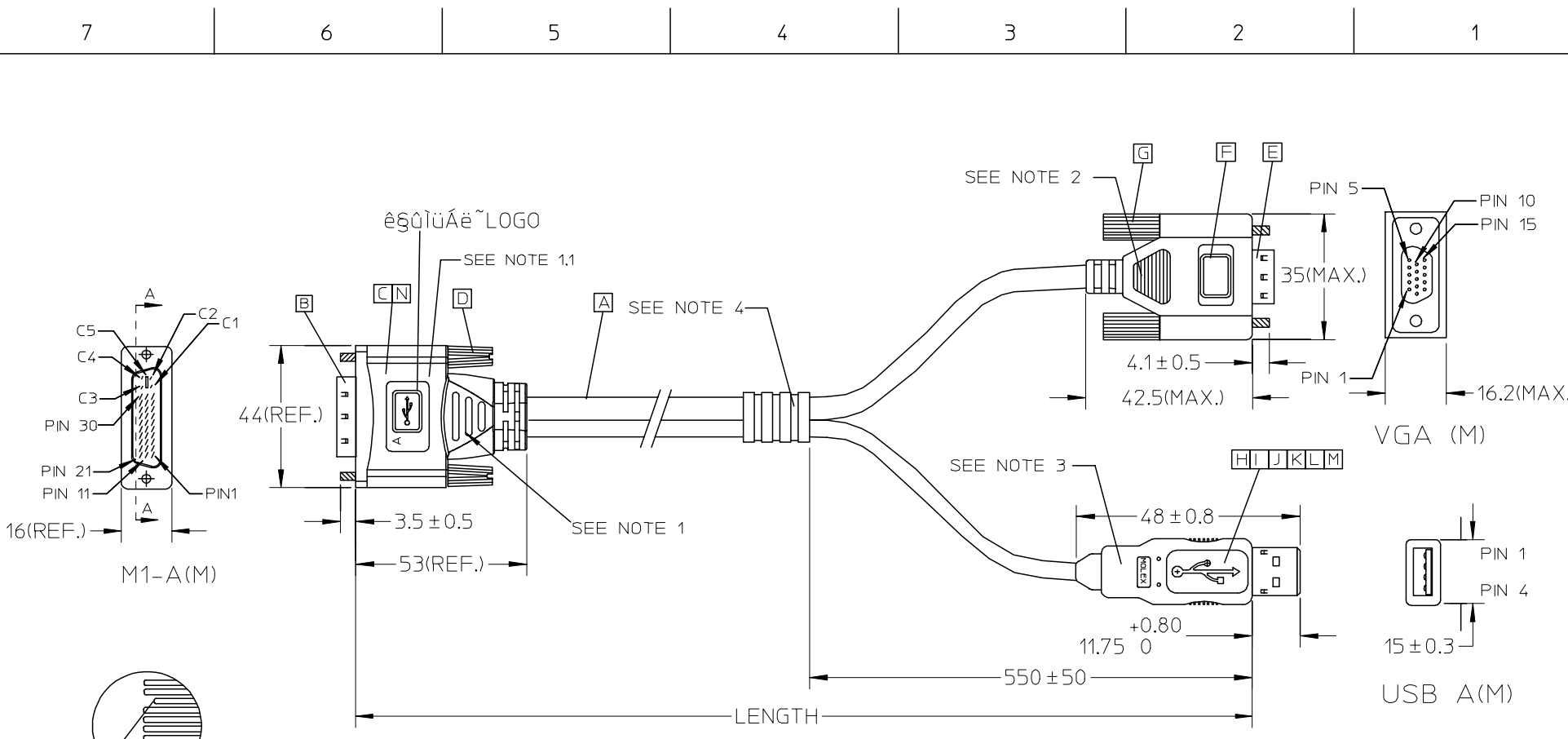
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[88745Series](#)

Mates With

[71182](#) MicroCross™ P&D-A Receptacle Header . [73712](#) MicroCross™ P&D-A/D Receptacle Header . [71781](#) MicroCross™ Panel Mount Hex Screws



88766-7720	M1-A TO VGA+USB CABLE ASSY' 5M	5000 ± 150	BLACK	887808483
88766-7710	M1-A TO VGA+USB CABLE ASSY' 3M	3000 ± 80	BLACK	887808399
88766-7700	M1-A TO VGA+USB CABLE ASSY' 2M	2000 ± 60	BLACK	887808399
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N

NEW RELEASE EC NO: DG2006-0183 DRWN:PDAI CHKD: APPR:TKAN	2006/03/03 2006/03/03 2006/03/03	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
			$\nabla = 0$ $\square = 0$	<table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <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> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	MM ONLY	---	METRIC	
				mm	INCH																		
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	ANGULAR ±---°		DRAWN BY: PDAI CHECKED BY: PDAI APPROVED BY: XING MATERIAL NO.: SEE TABLE	DATE: 2006/03/01 DATE: 2006/03/01 DATE: 2006/03/01	TITLE: M1-A-M TO VGA-M+USB-A-M FOR LCD/DLP PROJECTOR																		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE: A/4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX MOLEX INCORPORATED DOCUMENT NO.: SD-88766-077		SHEET NO.: 1 OF 2															

NOTE: 1. M1-A BOOT MOLDED WITH BLACK PVC RESIN 887800042.
 2. VGA OUTERMOLD MOLDED WITH BLUE PVC RESIN 887800145.
 VGA INNERMOLD MOLDED WITH BLUE PE RESIN 887800008.
 3. USB MOLDED WITH BLACK PVC RESIN 887800019.
 4. STOPPER MOLDED WITH BLACK PVC RESIN 887800019.
 5.ELECTRICAL PERFORMANCE.
 5.1 INSULATOR RESISTANCE:20M OHMS.
 5.2 DIELECTRONIC STRENGTH: 300V DC FOR 10 MILLISECONDS.

7. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

PIN ASSIGNMENT:

USB A	PIN 4	USB RETRUN(SHARED W DDC)	PIN 25
	PIN 3	SUB D+	PIN 16
	PIN 2	USB D-	PIN 17
	PIN 1	USB +5V	PIN 24
	SHIELD	GROUND	SHIELD
VGA	PIN 6,7,8	VIDEO RETURN	C5
	PIN 3	BLUE VIDEO IN	C4
	---	ANALOG CABLE DETECT	C3
	PIN 2	GREEN VIDEO IN	C2
	PIN 1	RED VIDEO IN	C1
	PIN 4,10,11	HZ. AND VT. SYNC. RETURN	PIN 4
	---	HOT PLUG DETECT	PIN 8
	PIN 14	VERTICAL SYNC.	PIN 6
	PIN 13	HORIZONTAL SYNC.	PIN 5
	PIN 5	DDC RETURN & USB RETURN	PIN 25
PIN 12	DDC DATA(SDA)	PIN 26	
PIN 15	DDC CLOCK(SLC)	PIN 27	
PIN 9	DDC +5 VDC	PIN 28	
	CABLE FUNCTION	M1-A	

MATERIAL LIST:

N	COPPER FOIL 887801105		1
M	PRE-CUT COPPERFOIL 887801083		1
L	AWG26-28 TERMINAL 887809091		2
K	AWG20-24 TERMINAL 887809090		2
J	USB A HOUSING 887809086		1
I	USB A REAR SHELL 887809084		1
H	USB A FRONT SHELL 887809083		1
G	VGA THUMB SCREW 887806026		2
F	VGA METAL CAN 887899382 (FOR 00 & 10) VGA METAL CAN 887809056 (FOR 20)		1
E	VGA CONNECTOR 887899320		1
D	M1 THUMB SCREW 887806146		2
C	METAL CAN 887899399(88766-7700 & 88766-7710) METAL CAN 887899398(FOR 88766-7720)		1
B	P&D_A STD. PLUG ASSY 674850011		1
A	M1_A CABLE (SEE TABLE)		1
ITEM	DESCRIPTION	L	QTY.

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