



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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REVISIONS				
ECN NO	DATE	REVISION	DESCRIPTION	CHANGER
CY14-5284	2013/10/11	B	CHANGE DP CONNECTOR AND UPDATE BOM	AHOU
CY14-6401	2014/03/31	C	1.CHANGE SHELL 2. CHANGE CONNECTOR	AHOU
CY15-6131	2015/06/12	D	CHANGE P1 SIDE CONNECTOR, INNER MOLD AND OUTER MOLD	AHOU

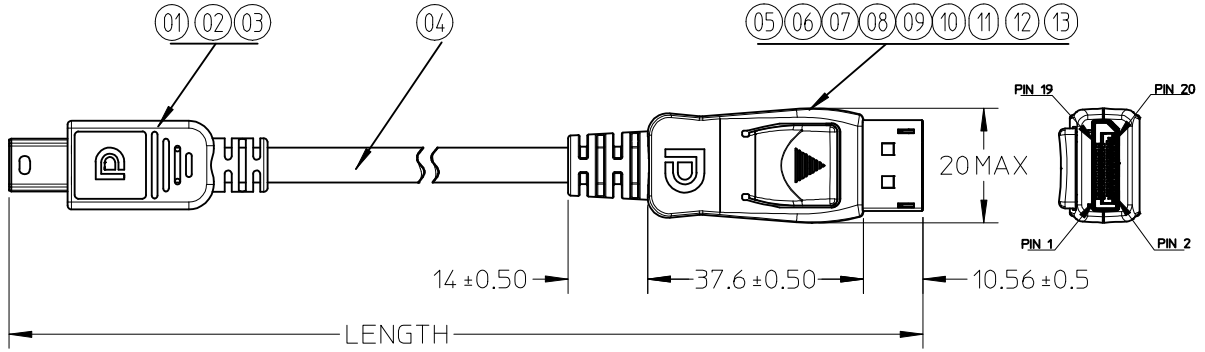
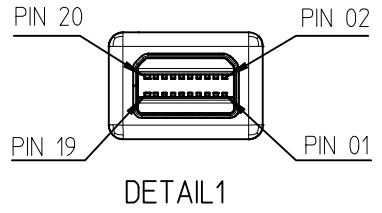
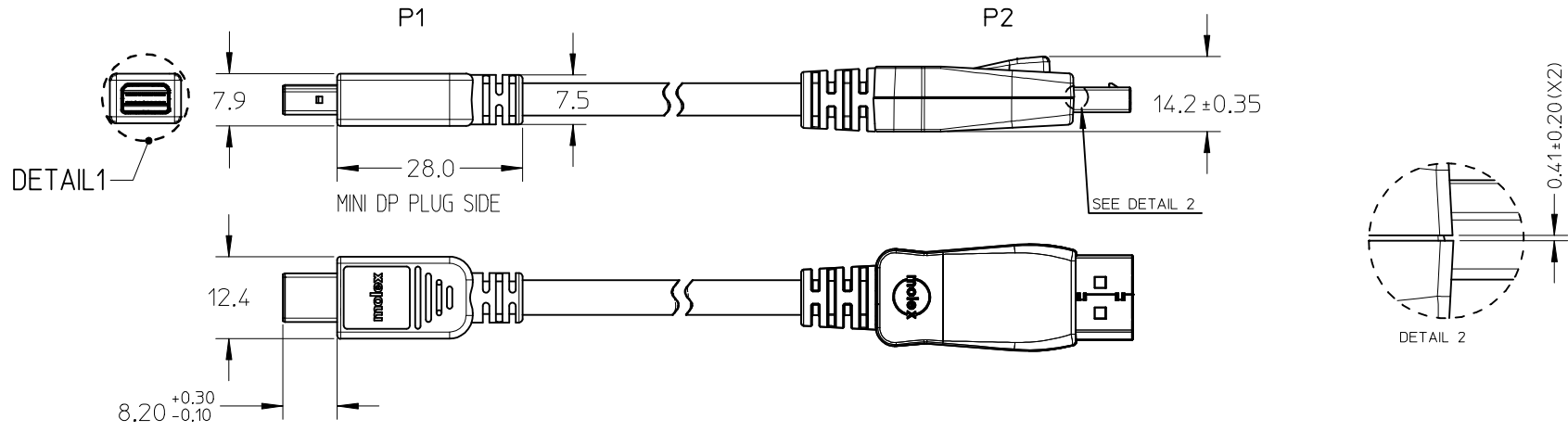


TABLE-1:

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



EC NO: CPG2015-6535 DRW/NXJGU001 CHKD:AHOU APPR:FNIE	DESCRIPTION 2015/06/19 2015/06/19 2015/06/23	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.5 ± --- ANGULAR ± .5 °	DIMENSION STYLE MM ONLY DRAWN BY JASON.LU DATE 2009/02/06 CHECKED BY CHRIS DATE 2009/02/06 APPROVED BY DATE	SCALE --- DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE-1	TITLE MINIDP PLUG TO STD DP PLUG CABLE ASSY	MOLEX INCORPORATED	DOCUMENT NO. SD-68785-0001

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WIRING DIAGRAM

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

NOTES:

1. APPEARANCE REQUIREMENT: UNLESS OTHER SPECIFIED FOLLOW CORRELATIVE MOLEX WORKMANSHIP STANDARD.
2. MECHANICAL SPECIFICATION:
 - 2.1 PULL FORCE FOR CABLE: 5.0 KGF FOR ONE MINUTE.
 - 2.2 FLEXING TEST FOR STRAIN RELIEF: 100 CYCLES IN EACH OF TWO PLANES PER EIA 364-41.
3. ELECTRICAL CHARACTERISTIC: MUST MEET MOLEX ES-000 & ES-042.
4. ASSEMBLY REQUIREMENTS:
 - THE JOINT BETWEEN DP PLUG AND METAL CAN MUST BE SOLDERED.
5. THIS PRODUCT MUST MEET THE MOLEX CHEMICAL SUBSTANCE REQUIREMENT: MOLEX ES-40000-5016.

	13	STRAIN RELIEF FOR DP BLACK	---	1 PCS	
	12	COVER-UP FOR DISPLAYPORT	---	1 PCS	
	11	COVER-DOWN FOR DISPLAYPORT	---	1 PCS	
	10	LATCH FOR DISPLAYPORT 2	---	1 PCS	
	09	LATCH FOR DISPLAYPORT 1	---	1 PCS	
	08	INNER-SHELL-LOWER FOR DISPLAYPORT			
	07	INNER-SHELL-UPPER FOR DISPLAYPORT		1 PCS	
	06	PLUG SUB-ASSY FOR DISPLAYPORT	ABS+PC	1 PCS	
	05	PRE-CUT COPPER FOIL 14 x 40mm T=25u	COPPER	1 PCS	
	04	MINIDP CABLE, 5PX34+4CX32AWG, Ø4.9MM	---	---	
		03	Double Elec.PRE-CUT C.FOIL 35X18mm T=25u	---	1 PCS
		02	wire holder 34AWG DP mini-DP to mini-DP	---	1 PCS
		01	auto-soldering type Mini-DP, 15u plated	---	1 PCS
		ITEM	DESCRIPTION	MATERIAL	USAGE

EC NO: CPG2015-6535 2015/06/19 DRWN:XJGU001 CHKD:AH00 APPR:FNIE 2015/06/23	QUALITY SYMBOLS ▼=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ----	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY JASON.LU	DATE 2009/02/06	TITLE MINIDP PLUG TO STD DP PLUG CABLE ASSY			
		4 PLACES	± ---	± ---	CHECKED BY CHRIS	DATE 2009/02/06	MOLEX INCORPORATED		
		3 PLACES	± ---	± ---	APPROVED BY		DOCUMENT NO. SD-68785-0001	SHEET NO. 2 OF 2	
		2 PLACES	± 0.25	± ---	MATERIAL NO. SEE TABLE-1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		1 PLACE	± 0.5	± ---	ANGULAR ± .5 °				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
D	REV								

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