

MINI-B PLUG SUB-ASSY POLARIZATION OPTIONS

POLARIZATION 'A'

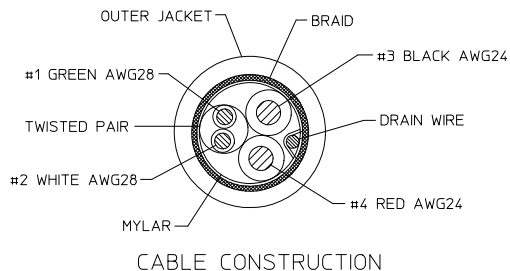


NOTCH LOCATION

POLARIZATION 'B'



NOTCH LOCATION



CABLE CONSTRUCTION

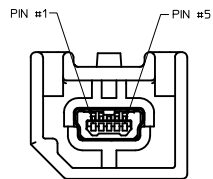
MOLEX MAT. NO.	MINI-B PLUG POLARIZATION	DIM 'A' (mm)
1110150100	A	500±10
1110150101	B	500±10
1110150200	A	1000±10
1110150201	B	1000±10
1110150300	A	1500±10
1110150301	B	1500±10

WIRING DIAGRAM

SIGNAL NAME	CONTACT #	MINI-B PLUG (HOST)	STD-A RECEPTACLE (TARGET)	CONTACT #	SIGNAL NAME
		WIRE COLORS	WIRE COLORS		
VBUS	1	RED	RED	1	VBUS
D-	2	WHITE	WHITE	2	D-
D+	3	GREEN	GREEN	3	D+
ID	4	NO CONNECT			N/A
GND	5	BLACK	BLACK	4	GND
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION		SHELL	CABLE BRAID

NOTES:

- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) VER 13, DATED 06-APR-06, TEMP CLASS *-40-85°C.
- PART MUST CONFORM TO THE LATEST LEVEL OF SAE/USCAR-30 & USB 2.0.
- ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
- GENERAL TOLERANCES: ±0.25 ALL ONE PLACE DIMENSIONS, ±0.15 ALL TWO PLACE DIMENSIONS, AND ±0.5° ALL ANGULAR DIMENSIONS.
- 0.3MM MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
- PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
- IDENTIFICATION LABEL MUST DISPLAY CUSTOMER PART NUMBER IF REQUIRED, SUPPLIER PART NUMBER, DATE CODE (YYYYMMDD), REVISION AND LOGO.
- MATING CONNECTORS: MINI-B INLINE 111005 SERIES.
- LEAD FREE, NO ROHS EXEMPTIONS.
- FINISHES: TERMINAL: SELECTIVE GOLD (Au) IN THE CONTACT AREA, THICKNESS = 0.75 MICROMETER (30 MICROINCH) MINIMUM OVER NICKEL (Ni) OVERALL, THICKNESS = 1.25 MICROMETER (50 MICROINCH) MINIMUM.



MATING HEADER FOR MINI-B PLUGS (POLARIZATION - A SHOWN)

CUSTOMER P/N
 MOLEX P/N REV YYYYMMDD

MOLEX LOGO

 MOLEX P/N REV YYYYMMDD
 CUSTOMER P/N

LABEL FORMAT
 LAST LETTER OF DATE CODE:
 'D'= DAY SHIFT, 'N'= NIGHT SHIFT

REVISED EIC NO: CPG2012-1001 2012/03/20 DRAWN BY: J. REEVES 2012/03/20 CHECKED BY: J. REEVES 2012/03/20 APPROVED BY: J. REEVES 2012/04/02	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	4 PLACES ±0 3 PLACES ±0 2 PLACES ±0 1 PLACE ±0	mm INCH ±--- ±--- ±--- ±--- ±--- ±--- ±--- ±---	MM ONLY DRAWN BY: J. REEVES DATE: 2007/09/11 CHECKED BY: J. REEVES DATE: 2007/09/11 APPROVED BY: J. REEVES DATE: 2010/03/16	DATE: 2007/09/11 DATE: 2007/09/11 DATE: 2010/03/16	2:1	METRIC	TITLE: USB CABLE ASSEMBLY MINI-B PLUG TO SHROUDED STD-A RECEPT MOLEX MOLEX INCORPORATED
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3°	MATERIAL NO: SEE CHART DOCUMENT NO: SD-111015-006	SHEET NO: 1 OF 1			
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						