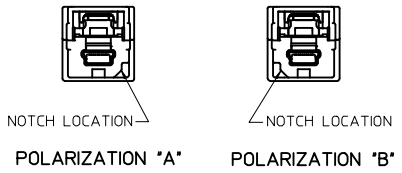


MINI-B PLUG POLARIZATION OPTIONS



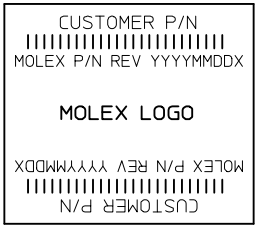
WIRING DIAGRAM

MINI-B PLUG (HOST)			MINI-B PLUG (TARGET)		
SIGNAL NAME	CONTACT #	WIRE COLORS	WIRE COLORS	CONTACT #	SIGNAL NAME
TPB-	PIN 1	RED	GREEN	PIN 5	TPA+
TPB+	PIN 2	GREEN	RED	PIN 4	TPA-
SIGNAL SHIELDING	PIN 3	SIGNAL SHIELD DRAIN WIRE	SIGNAL SHIELDING	PIN 3	SIGNAL SHIELDING
TPA-	PIN 4	ORANGE	BLUE	PIN 2	TPB+
TPA+	PIN 5	BLUE	ORANGE	PIN 1	TPB-
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION	SHELL	CABLE BRAID	

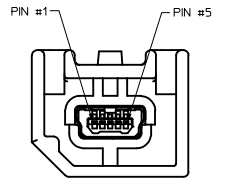
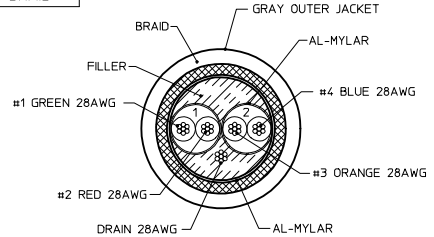
ASSEMBLY MATERIAL NUMBERS

MOLEX MAT. NO.	MINI-B POLARIZATION	CUSTOMER PART NO.	DIM "A"
111020-1001	A TO B		500±10
111020-1002	A TO A		500±10
111020-1003	B TO B		500±10

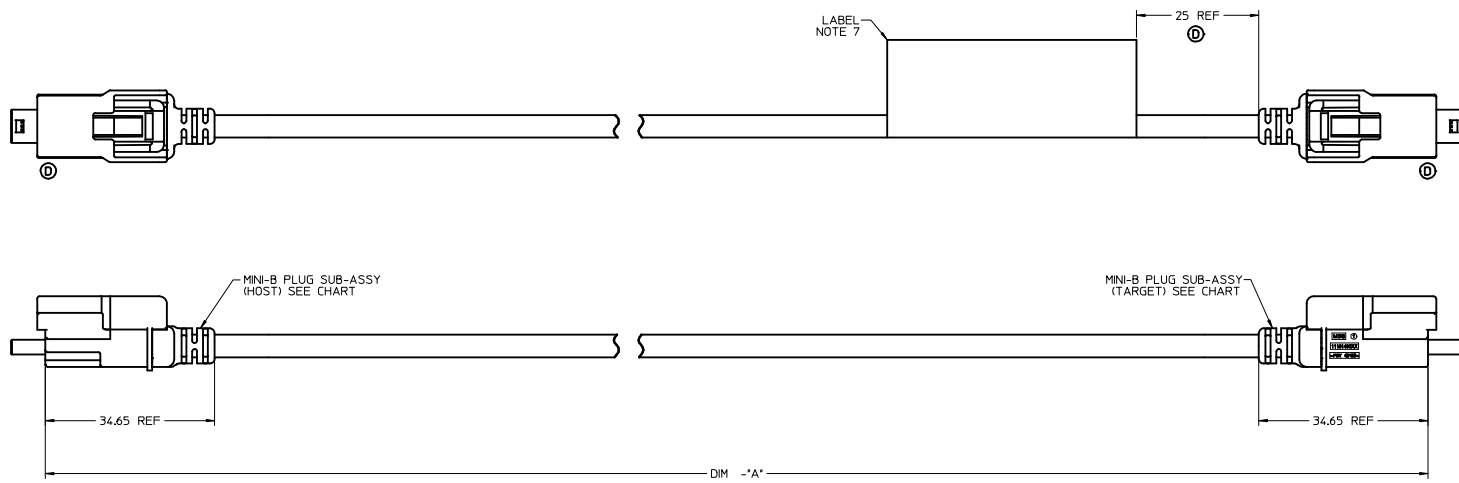
- NOTES:
- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) VER 13, DATED 06-APR-06; TEMP CLASS "-40~85°C".
  - PART MUST CONFORM TO THE LATEST LEVEL OF SAE/USCAR-30 & USB 2.0.
  - ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE 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, SUPPLIER PART NUMBER, DATE CODE (YYYYMMDD), REVISION, AND LOGO.
  - 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.



LABEL FORMAT  
 LAST LETTER OF DATE CODE 'X':  
 'D'= DAY SHIFT, 'N'= NIGHT SHIFT  
 BAR CODE = MOLEX MATERIAL NUMBER



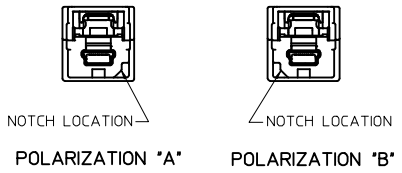
UPDATED PLUG 145G IEC NO: CPG2013-2725 D: DRINKHEMARTINEZ 2010/03/05 CHKO: JPAWLICKI 2010/03/05 APPROX: MONROE 2010/04/01	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES +--- +--- 3 PLACES +--- +--- 2 PLACES +--- +--- 1 PLACE +--- +--- 0 PLACE +--- +---	DIMENSION STYLE MM ONLY DRAWN BY DATE J.REEVES 2007/09/11 CHECKED BY DATE J.REEVES 2007/09/11 APPROVED BY DATE KMONROE 2010/03/08	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION
		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-111020-1000	SHEET NO. 1 OF 1
		TITLE 1394 CABLE ASSEMBLY MINI-B PLUG STRT TO MINI-B PLUG CROSS-OVER		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



MINI-B PLUG POLARIZATION OPTIONS

WIRING DIAGRAM

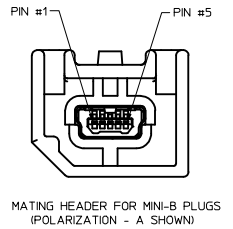
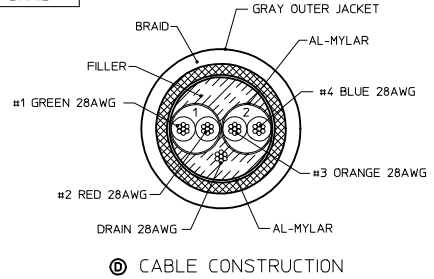
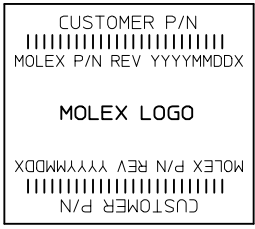
ASSEMBLY MATERIAL NUMBERS



MINI-B PLUG (HOST)			MINI-B PLUG (TARGET)		
SIGNAL NAME	CONTACT #	WIRE COLORS	WIRE COLORS	CONTACT #	SIGNAL NAME
TPB-	PIN 1	RED	GREEN	PIN 5	TPA+
TPB+	PIN 2	GREEN	RED	PIN 4	TPA-
SIGNAL SHIELDING	PIN 3	SIGNAL SHIELD DRAIN WIRE	SIGNAL SHIELD DRAIN WIRE	PIN 3	SIGNAL SHIELDING
TPA-	PIN 4	ORANGE	BLUE	PIN 2	TPB+
TPA+	PIN 5	BLUE	ORANGE	PIN 1	TPB-
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION	SHELL	CABLE BRAID	

MOLEX MAT. NO.	MINI-B POLARIZATION	CUSTOMER PART NO.	DIM "A"
111020-1001	A TO B		500±10
111020-1002	A TO A		500±10
111020-1003	B TO B		500±10

- 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, SUPPLIER PART NUMBER, DATE CODE (YYYYMMDD), REVISION, AND LOGO.
  - 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.



LABEL FORMAT  
 LAST LETTER OF DATE CODE "X":  
 'D' = DAY SHIFT, 'N' = NIGHT SHIFT  
 BAR CODE = MOLEX MATERIAL NUMBER

<b>UPDATED PLUG 145G</b> IEC NO: CPG2013-2725 DRAWN: HEARTLINEZ 2013/03/05 CHECKED: JPAWLICKI 2013/03/05 APPROVED: MONROE 2013/04/01	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.15</td> <td>±.005</td> </tr> <tr> <td>3 PLACES</td> <td>±.10</td> <td>±.004</td> </tr> <tr> <td>2 PLACES</td> <td>±.07</td> <td>±.003</td> </tr> <tr> <td>1 PLACE</td> <td>±.05</td> <td>±.002</td> </tr> <tr> <td>0 PLACE</td> <td>±.03</td> <td>±.001</td> </tr> </table>		mm	INCH	4 PLACES	±.15	±.005	3 PLACES	±.10	±.004	2 PLACES	±.07	±.003	1 PLACE	±.05	±.002	0 PLACE	±.03	±.001	DIMENSION STYLE <b>MM ONLY</b> SCALE <b>2:1</b> DESIGN UNITS <b>METRIC</b> THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	±.15	±.005																		
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1 PLACE	±.05	±.002																			
0 PLACE	±.03	±.001																			
MATERIAL NO. <b>SD-111020-1000</b> DOCUMENT NO. <b>SD-111020-1000</b>		DRAWN BY: J.REEVES DATE: 2007/09/11 CHECKED BY: J.REEVES DATE: 2007/09/11 APPROVED BY: KMONROE DATE: 2010/03/08																			
TITLE <b>1394 CABLE ASSEMBLY MINI-B PLUG STRT TO MINI-B PLUG CROSS-OVER</b>		<b>molex</b>																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			