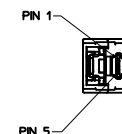


P/N  
MOLEX P/N  
YYMMDD



DIM "A" ±10

## MINI-B POLARIZATION OPTIONS



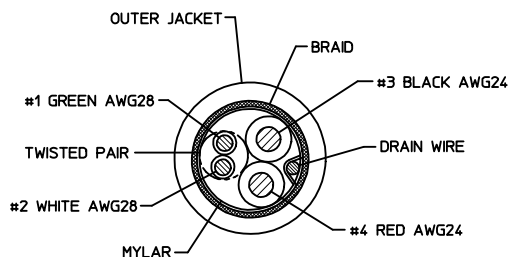
NOTCH LOCATION

POLARIZATION "A"



NOTCH LOCATION

POLARIZATION "B"



## CABLE CONSTRUCTION

## WIRING DIAGRAM

SIGNAL NAME	CONTACT #	INLINE (HOST)	MINI-B PLUG (TARGET)	SIGNAL NAME
		WIRE COLORS	WIRE COLORS	
VBUS	PIN 1	RED	RED	VBUS
D-	PIN 2	WHITE	WHITE	D-
D+	PIN 3	GREEN	GREEN	D+
SIGNAL SHIELDING	PIN 4	SIGNAL SHIELD DRAIN WIRE		SIGNAL SHIELDING
GND	PIN 5	BLACK	BLACK	GND
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION		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 PART MUST CONFORM TO THE LATEST LEVEL OF USB2.0.
- 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) AND LOGO.

## ASSEMBLY PART NUMBERS

MOLEX PART NO.	MINI-B POLARIZATION	CUSTOMER PART NO.	DIM "A"
111014-5000	A TO A		500
111014-5001	A TO B		500
111014-5003	B TO B		500

ENTER DESCRIPTION IEC NO: USY2009-0176 DRAWN/REVIEWS CHKD: 2008/11/12 APPR: KMONROE 2008/11/13	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°	DIMENSION STYLE MM ONLY DATE DRAWN BY J. REEVES 2007/07/27 CHECKED BY J. REEVES 2007/07/27 APPROVED BY K. MONROE 2007/07/28	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MINI-B TO MINI-B PLUG CABLE ASSEMBLY	MATERIAL NO. 1110141000 DOCUMENT NO. SD-111014-1000	SHEET NO. 1 OF 1