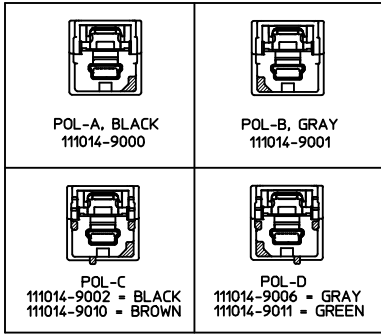


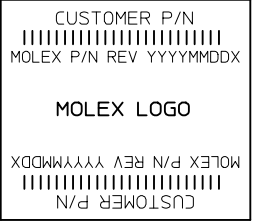
WIRING DIAGRAM

SIGNAL NAME	CONTACT #	COMM. STD-A PLUG (HOST)	MINI-B PLUG (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+
N/A	-	N/A	NO CONNECT	4	NO CONNECT
GND	4	BLACK	BLACK	5	GND
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION	SHELL	CABLE BRAID	

POLARIZATION OPTIONS



- NOTES:
- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) VER 13, DATED 06-APR-06; TEMP CLASS "-40-85°C".
 - UNLESS OTHERWISE SPECIFIED, PART MUST CONFORM TO THE LATEST LEVEL OF SAE/USCAR-30 AND 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 IF REQUIRED, 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.
 - PACKAGING SPECIFICATION: PK-68800-001.



LABEL FORMAT

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

MOLEX MATERIAL NUMBER	MINI-B PLUG POLARIZATION	DIM "A"	TOLERANCE
111102-0001	POL-A	39.4/1000	±.4/±10
111102-0002	POL-B	39.4/1000	
111102-0003	POL-C (-9002)	39.4/1000	
111102-0004	POL-D (-9006)	39.4/1000	
111102-0005	POL-B	94.5/2400	±.8/±20
111102-0006	POL-A	157.5/4000	±1.6/±40

REVISED EEC NO: CPG2015-0163 D 2014/07/10 DRAWN/M18 CHYOKI/IN02 2014/07/10 APPROV/CHEN08 2014/07/21	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	DIMENSION STYLE IN/MM SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	DRAWN BY H MARTINEZ DATE 2010/02/05 CHECKED BY J PAWLICKI DATE 2010/02/05 APPROVED BY K MONROE DATE 2010/02/24	TITLE USB CABLE ASSEMBLY COMMERCIAL STD-A PLUG TO MINI-B PLUG STRT
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART DOCUMENT NO. SD-11102-001	SHEET NO. 1 OF 1	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			