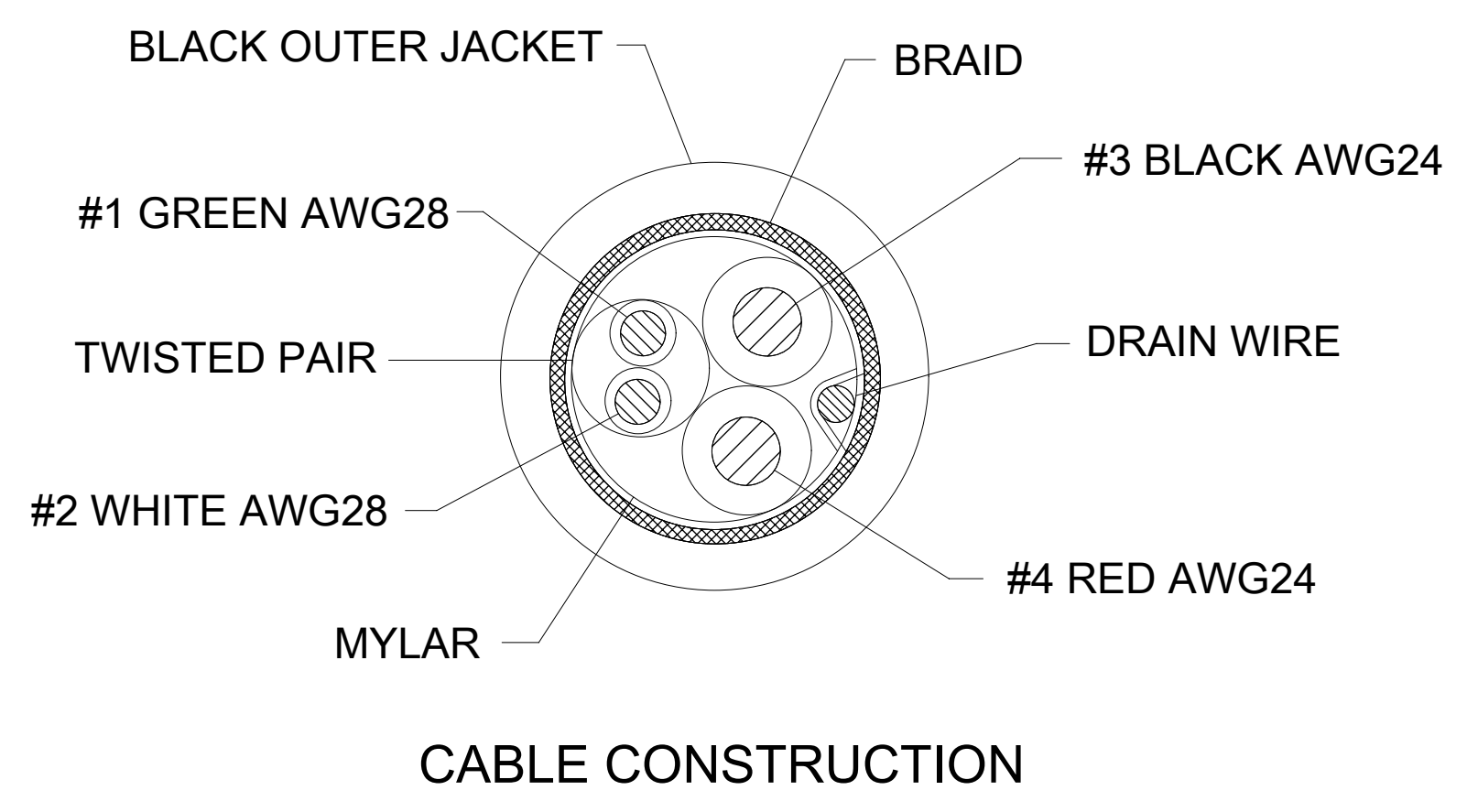
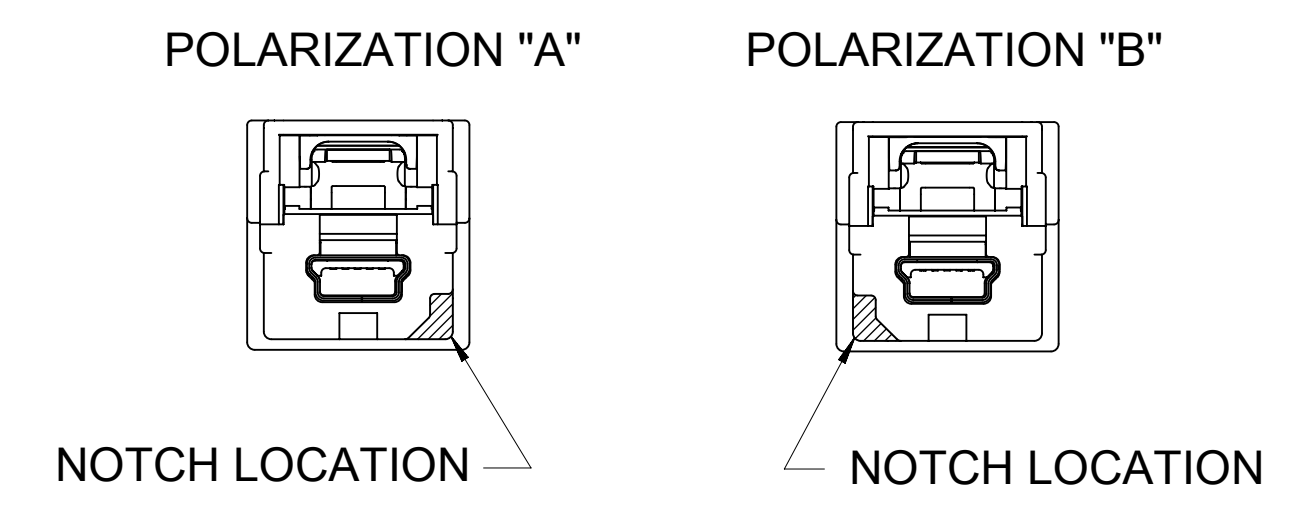


WIRING DIAGRAM

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+
NO CONNECT	4	NO CONNECT	N/A		N/A
GND	5	BLACK	BLACK	4	GND
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION		SHELL	CABLE BRAID

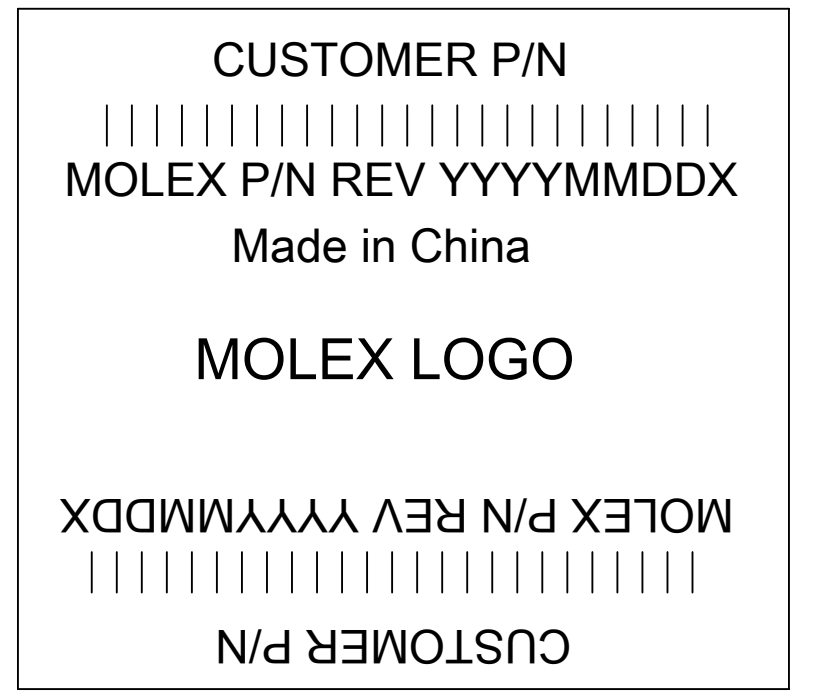
MINI-B PLUG SUB-ASSY POLARIZATION OPTIONS



MOLEX MATERIAL NO.	MINI-B PLUG POLARIZATION	DIM "A" (mm)	DIM "B" (mm)
111015-0101	B	500±10	200
111015-0200	A	1000±10	200
111015-0201	B	1000±10	200
111015-0300	A	1500±10	200
111015-0301	B	1500±10	200
111015-0102	A	300±10	25
111015-1301	B	2000±10	200

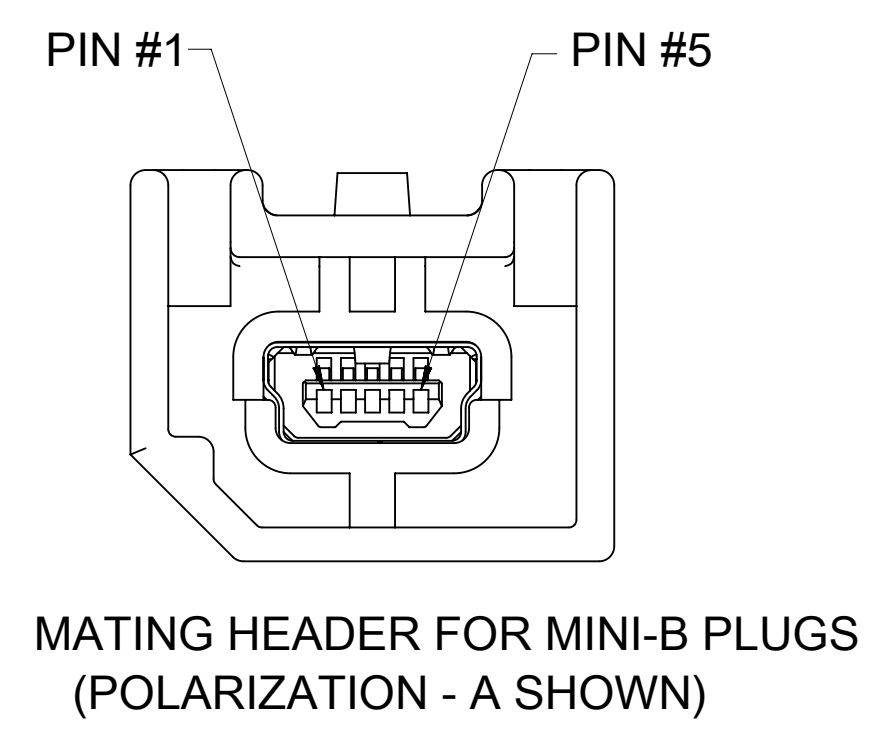
NOTES:

- 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 MICROMETER) MINIMUM OVER NICKEL (Ni) OVERALL; THICKNESS = 1.25 MICROMETER (50 MICROMETER) MINIMUM.



LABEL FORMAT

LAST LETTER OF DATE CODE "X":
 'D'= DAY SHIFT, 'N'= NIGHT SHIFT
 BAR CODE = MOLEX MATERIAL NUMBER
 KEEP CUSTOMER P/N IN BLANK IF NOT AVAILABLE



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

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REV. TABLE		
	DIMENSION UNITS	SCALE			
	MM	2:1			USB CABLE ASSEMBLY MINI-B PLUG TO SHROUDED STD-A RECEPT PRODUCT CUSTOMER DRAWING
GENERAL TOLERANCES (UNLESS SPECIFIED)					
		MM	INCH		
	4 PLACES	±	±	EC NO: 673711	
	3 PLACES	±	±	DRWN: GKUNCHOORU 2021/08/11	
	2 PLACES	±	±	CHK'D: KMANISHTIWAR 2021/08/16	
	1 PLACE	±	±	APPR: TSWAROOPNUNE 2021/08/17	
	0 PLACES	±	±	INITIAL REVISION:	
	ANGULAR TOL	±	3.0°	DRWN: DRAWN BY 0099/99/99	
				APPR: APPR BY 0099/99/99	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING SERIES	
		D-SIZE		111015	
DOCUMENT NUMBER		DOC TYPE		DOC PART	
SD-111015-006		PSD		001	
MATERIAL NUMBER		CUSTOMER		REVISION	
SEE CHART		GENERAL MARKET		F	
DOCUMENT STATUS		RELEASE DATE		SHEET NUMBER	
P1		2021/08/17 07:56:14		1 OF 2	

DATE	REV. LEVEL	DESCRIPTION
2021/08/11	H	1.ADDED MOLEX PN:1110151301 WITH LENGTH DIM-A 2000MM & DIM-B 200 LABEL DISTANCE FROM END 2 CONNECTOR. 2.ADDED BOTH CONNECTOR DIMENSIONS 3.ADDED REV.HISTORY TABLE IN SHEET 2

F

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REV.TABLE
$\nabla_A = 0$	mm	1:1	EC NO: 673711 DRWN: GKUNCHOORU 2021/08/11 CHK'D: KMANISHTIWAR 2021/08/16 APPR: TSWAROOPNUNE 2021/08/17
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\nabla_P = 0$	ANGULAR TOL $\pm 3.0^\circ$		INITIAL REVISION: DRWN: JREEVES 2009/09/01 APPR: KMONROE 2009/09/10
DIVISIONAL SYMBOLS	4 PLACES	\pm	
	3 PLACES	\pm	
	2 PLACES	± 0.13	
	1 PLACE	± 0.25	
	0 PLACES	\pm	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
THIRD ANGLE PROJECTION		DRAWING SERIES	
			D-SIZE 111015
DOCUMENT STATUS		RELEASE DATE	DOCUMENT NUMBER
P1	2021/08/17 07:56:14	2021/08/17	SD-111015-006
			DOC TYPE DOC PART REVISION
			PSD 001 F
			MATERIAL NUMBER CUSTOMER SHEET NUMBER
			SEE SHEET 1 GENERAL MARKET 2 OF 2