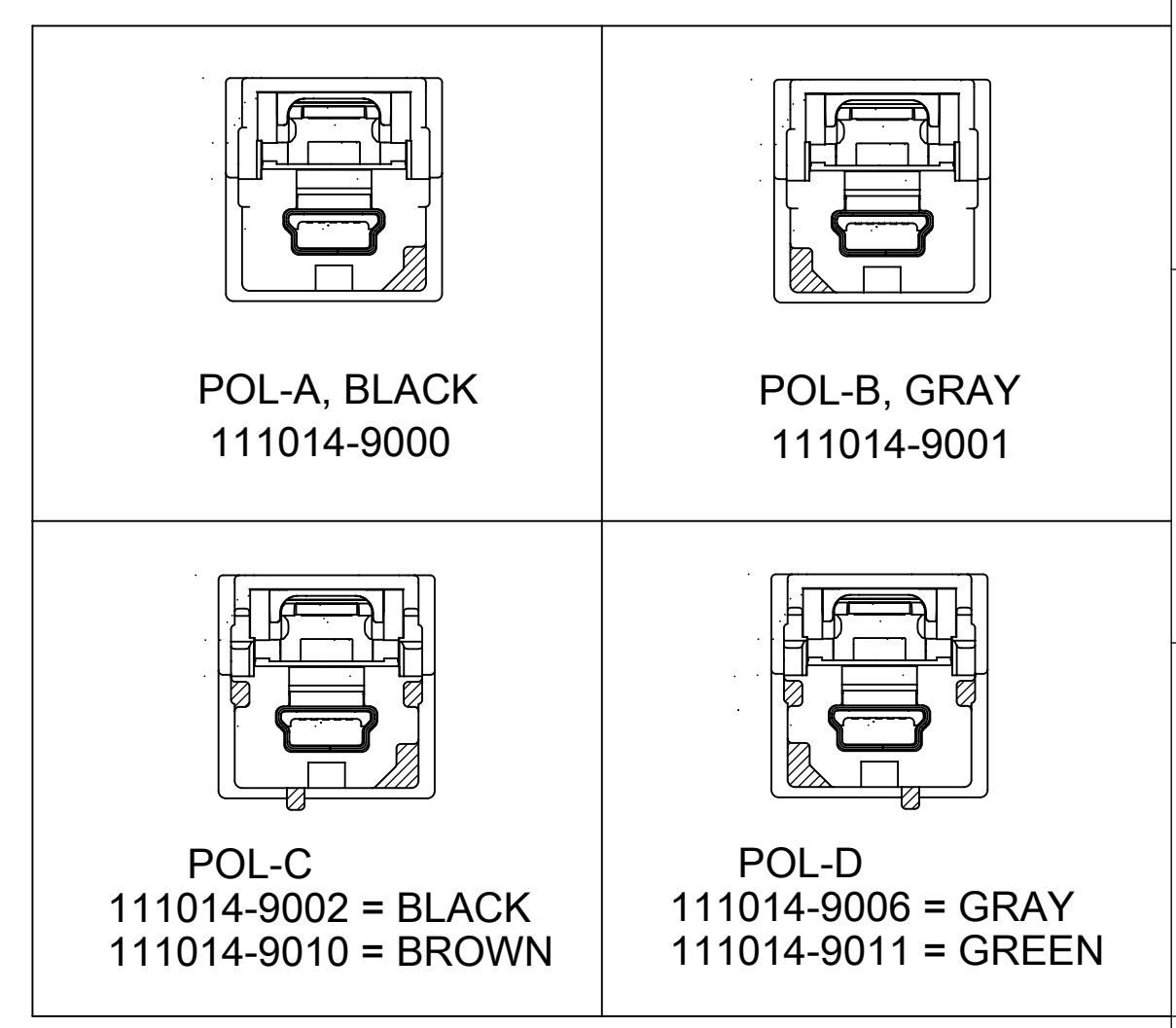


**WIRING DIAGRAM**

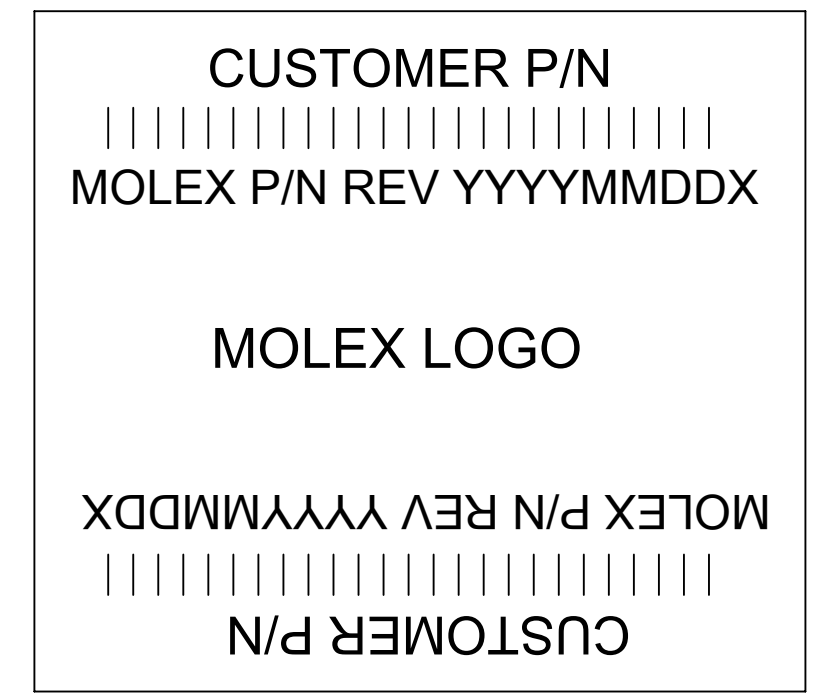
SIGNAL NAME	CONTACT #	COMM. STD-A PLUG (HOST)	MINI-B PLUG (TARGET)	CONTACT #	SIGNAL NAME
		WIRE COLORS	WIRE COLORS		
VBUS	1	RED	RED	1	VBUS
D-	2	WHITE	WHITE	2	D-
D+	3	GREEN	GREEN	3	D+
N/A	-	N/A	NO CONNECT	4	NO CONNECT
GND	4	BLACK	BLACK	5	GND
CABLE BRAID	SHELL	BRAID TO SHELL TERMINATION		SHELL	CABLE BRAID

**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.

MOLEX MATERIAL NUMBER	MINI-B PLUG POLARIZATION	DIM "A"	TOLERANCE
111102-0002	POL-B	39.4/1000	±.4/±10
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



**LABEL FORMAT**

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS <b>IN/MM</b>	SCALE <b>2:1</b>	CURRENT REV DESC: OBSOLETE PART NUMBER	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 638770	
4 PLACES ±	±	DRWN: VLOKESHA	2020/06/09
3 PLACES ±	± 0.005	CHK'D: GGA	2020/07/21
2 PLACES ±	0.13 ± 0.01	APPR: GGA	2020/07/21
1 PLACE ±	0.25 ±	INITIAL REVISION:	
0 PLACES ±	±	DRWN: HMARTINEZ	2010/02/05
ANGULAR TOL ±	1.0 °	APPR: KMONROE	2010/02/24
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES
			<b>D-SIZE 111102</b>
DOCUMENT NUMBER		DOC TYPE	DOC PART
<b>SD-111102-001</b>		PSD	001
MATERIAL NUMBER		CUSTOMER	REVISION
SEE CHART		GERNAL	<b>D1</b>
SHEET NUMBER		1 OF 1	