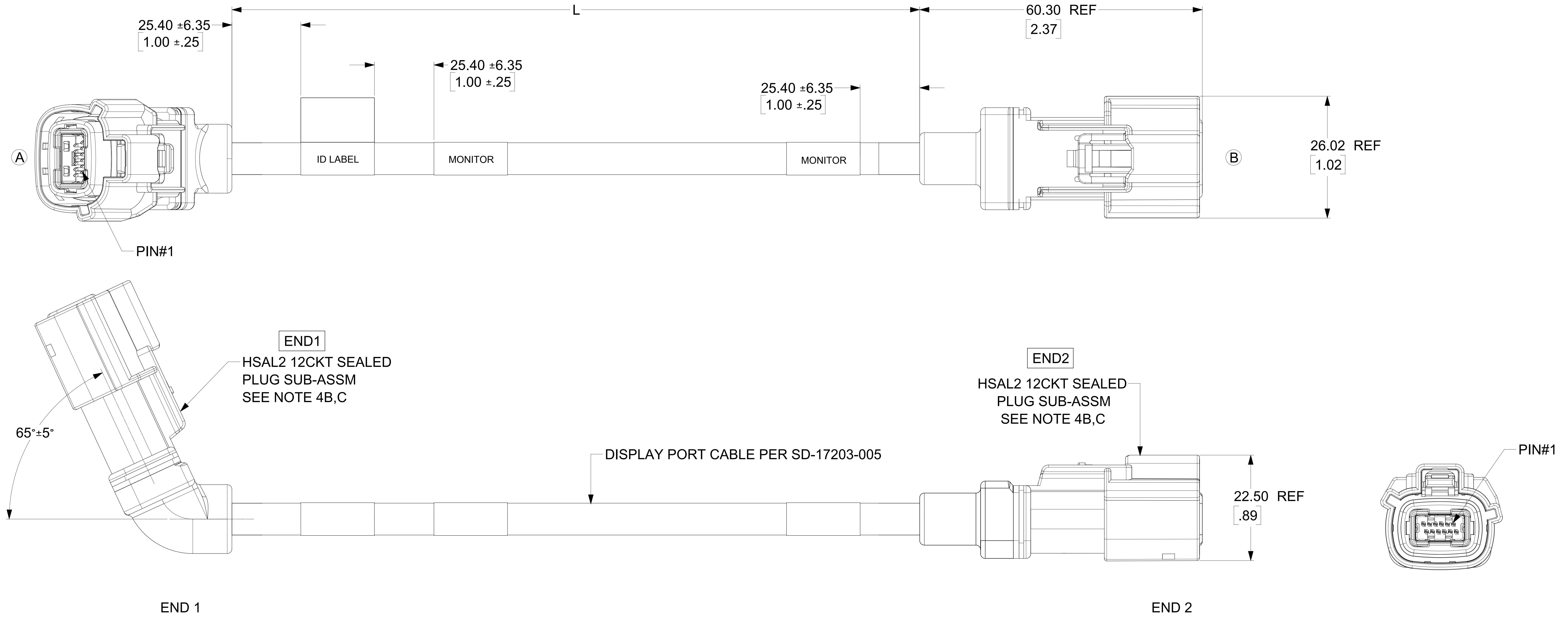
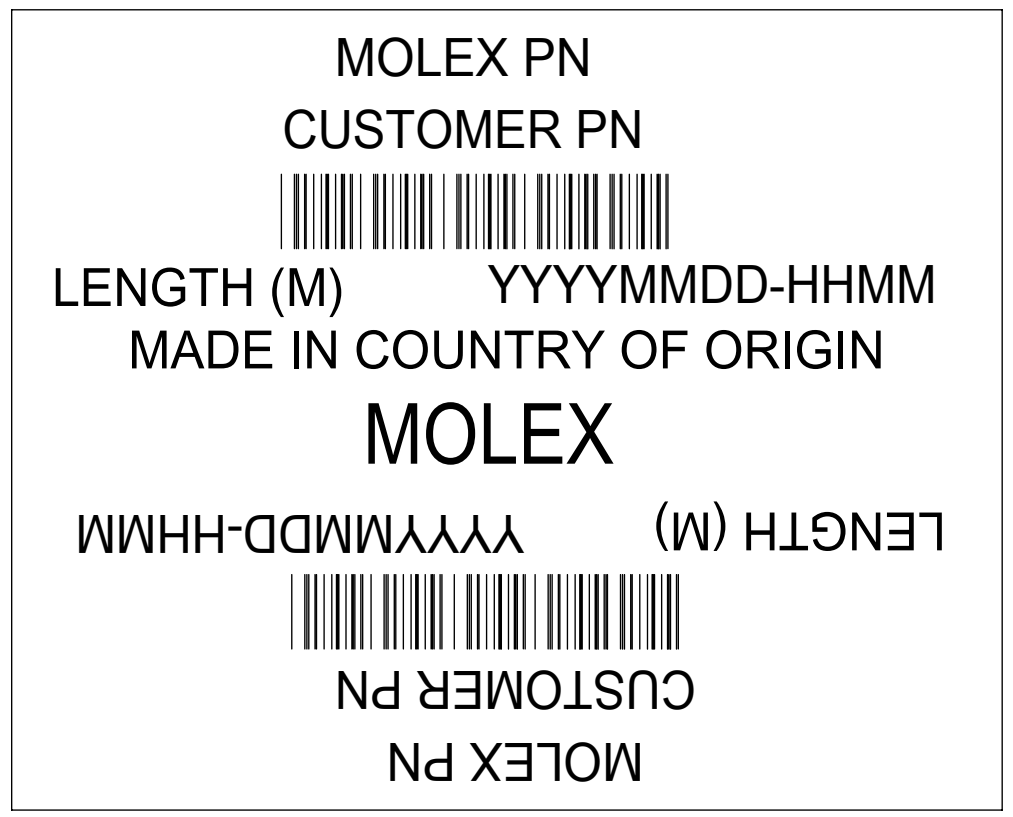


MOLEX PN	CUST PN	DESCRIPTION	END 1		END 2		L (m)	L (in)	TOL mm[in]
			POL	COLOR	POL	COLOR			
100009-1965	AL213847	HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	0.65	26	≤2m: +25[1.0]/-0
100009-1911	AL214514	HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	1.1	43	
100009-1914	RE561320	HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	1.4	55	
100009-1926	RE340368	HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	2.65	104	
100009-1903		HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	3.0	118	>2m: +50[2.0]/-0
100009-1905		HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	5.0	197	
100009-1915		HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	15.0	591	
111149-1271	TA26420	HSAL2 12CKT DP ASSM 65DEG UP SLD PLUG-STR SLD PLUG	A	BLACK	A	BLACK	1.76	69	

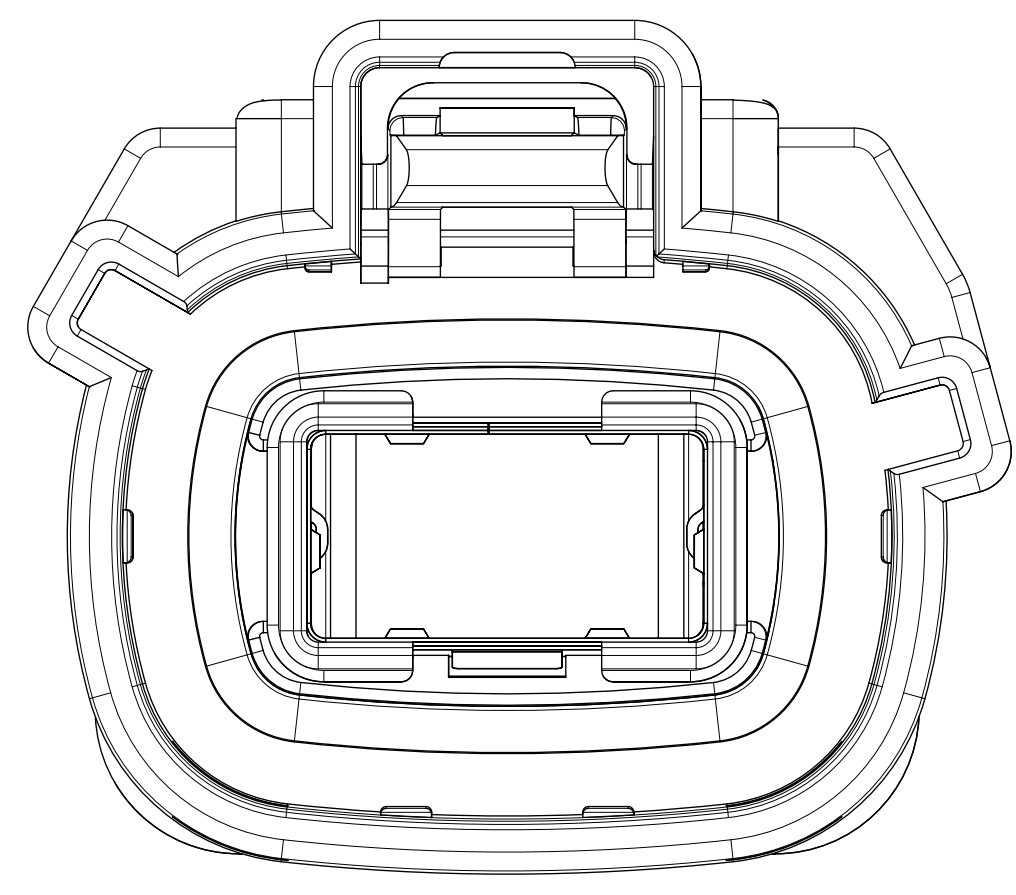
MATING CONNECTORS					
AL213847 (A)	MATES TO	MONITOR 1	STRAIGHT PLUG (B)	MATES TO	AL213846
AL214514 (A)	MATES TO	MONITOR 1	STRAIGHT PLUG (B)	MATES TO	AL214513
RE561320 (A)	MATES TO		STRAIGHT PLUG (B)	MATES TO	



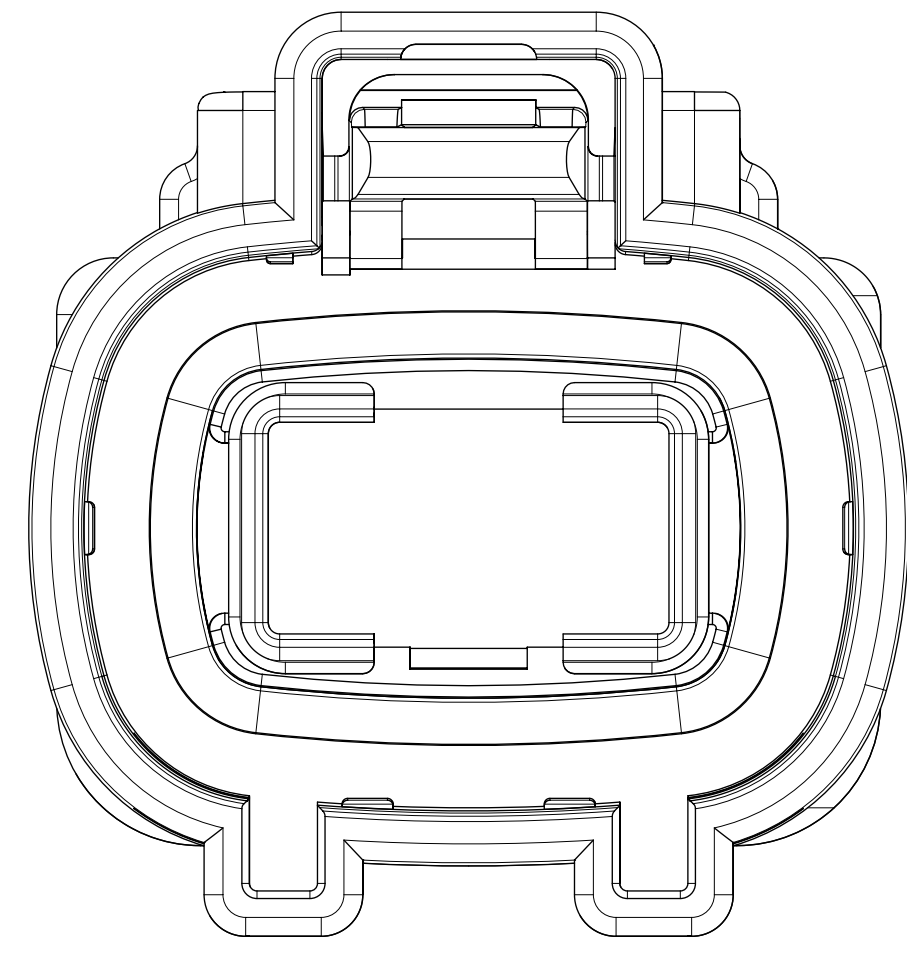
- NOTES:
- MATERIAL  
CABLE: PVC-BLACK  
TERMINALS: COPPER ALLOY,AU + SN PLATED  
STARIN RELIEF:PVC
  - PACKAGING SPECIFICATION: PK-111149-001
  - VISIT [www.molex.com](http://www.molex.com) FOR ENVIRONMENTAL COMPLAINE INFORMATION.
  - IDENTIFICATION LABEL: "MOLEX", MOLEX PN, CUSTOMER PN, BARCODE OF CUSTOMER PN, LENGTH (M), DATE CODE (YYYYMMDD-HHMM), AND MADE IN COUNTRY OF ORIGIN.
  - LEAK, SKEW, CONTINUITY, AND HIPOT TESTS TO BE PERFORMED ON ALL HARNESSSES.
  - ENVIRONMENTAL IN ACCORDANCE WITH R345247, IP67(-40°C TO 105°C).
  - PRODUCT SPECIFICATION : PS-34861-001
  - SEALED HSAL 2 CONNECTORS SHALL BE 100% LEAK TESTED DURING PRODUCTION UNDER TEST PARAMETERS AS DETAILED IN PRODUCTION PS-34858-001



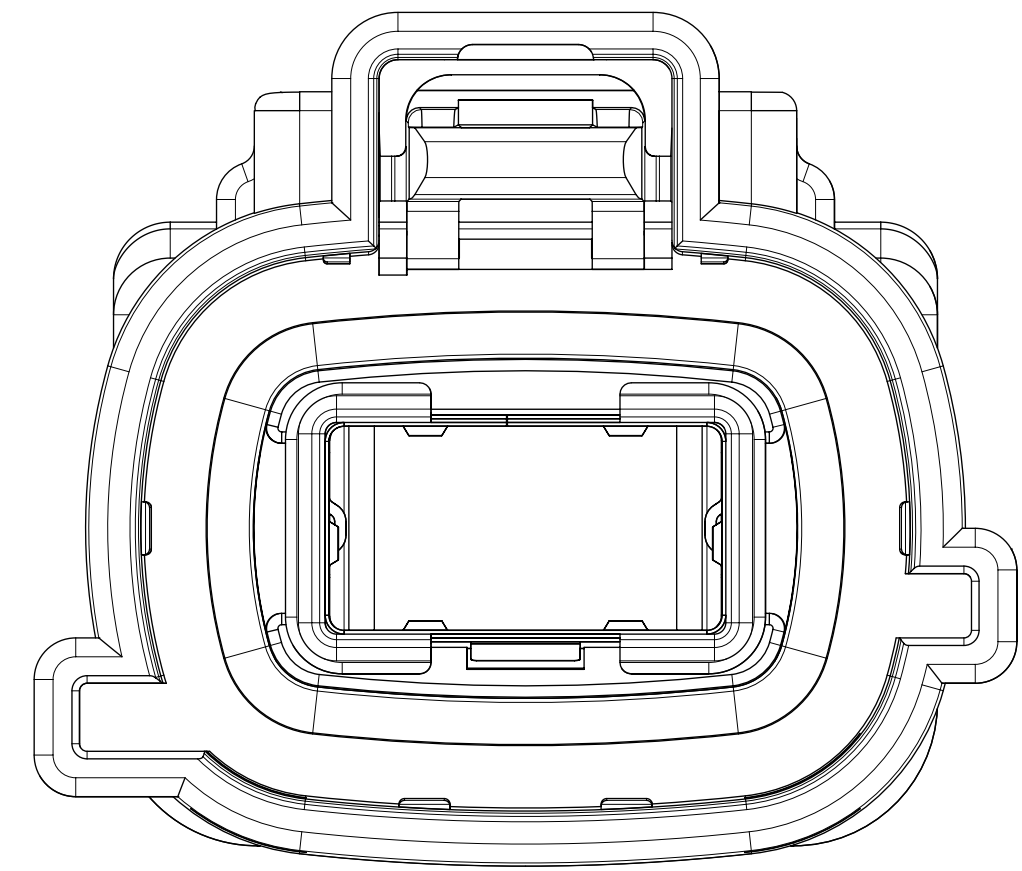
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: SEE REVISION TABLE		
	DIMENSION UNITS: HYBRID SCALE: 3:1 GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 0.5° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±	EC NO: 705668 DRWN: SAKSHARAD 2022/04/29 CHK'D: GKUNCHOORU 2022/05/05 APPR: TSWAROOPNUNE 2022/05/05		
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION	INITIAL REVISION: DRWN: CCOX 2013/04/23 APPR: KMONROE 2013/05/22	SERIES: 100009 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 3	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: RSD-100009-022 DOC TYPE: PSD DOC PART: 001 REVISION: H



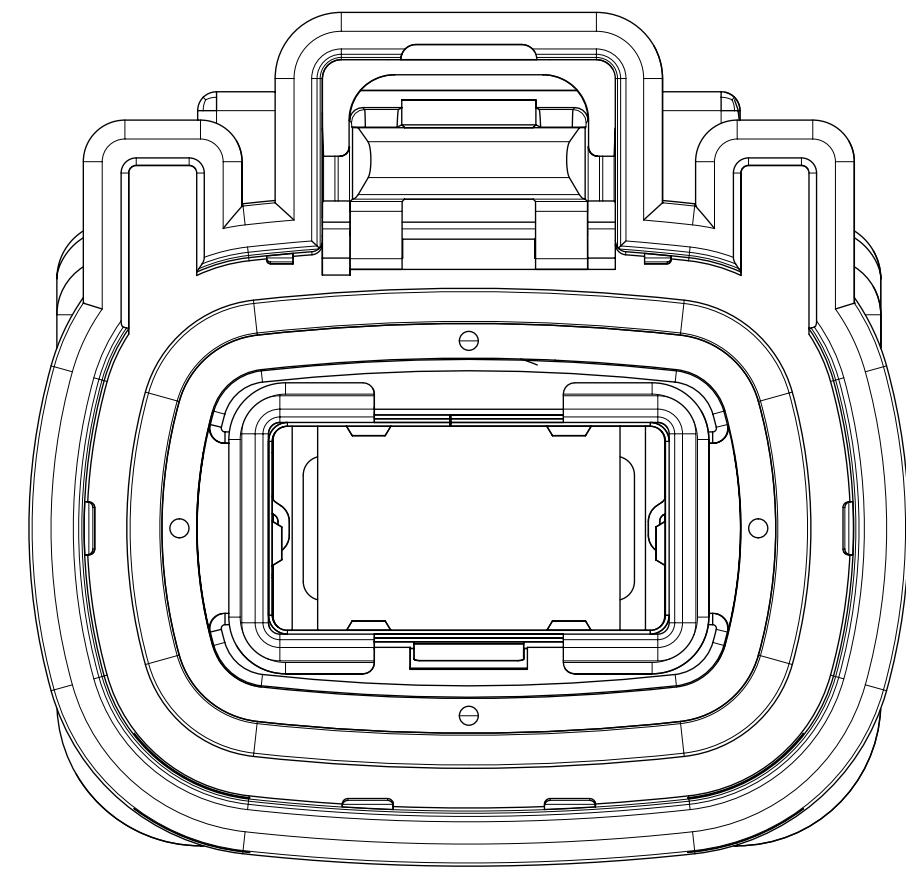
POL A  
COLOR: BLACK



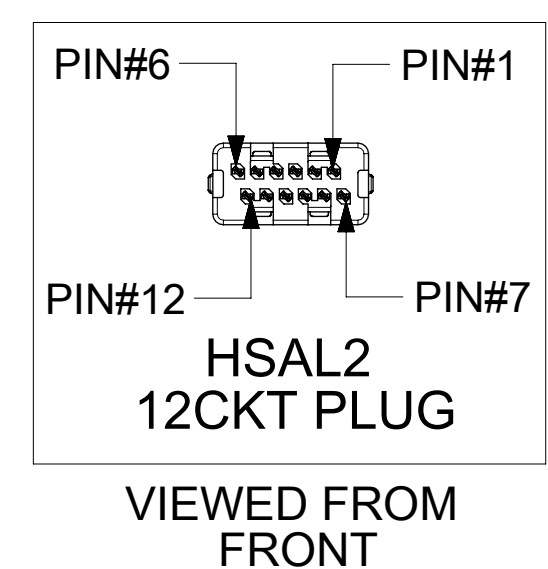
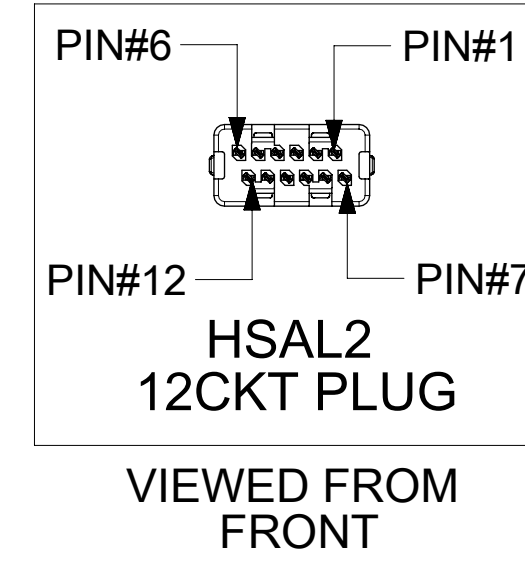
POL B  
COLOR: GRAY



POL C  
COLOR: BROWN

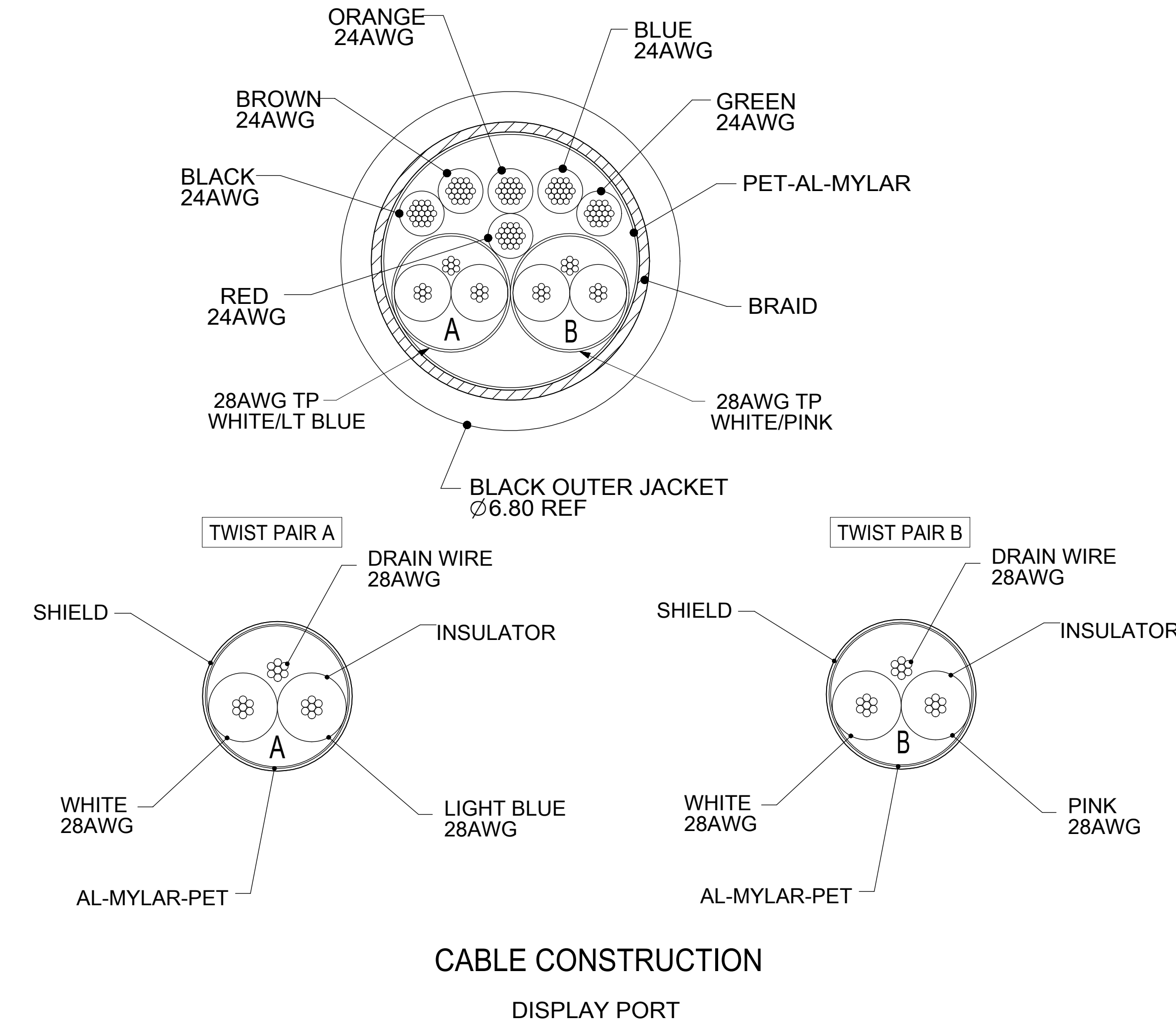


POL D  
COLOR: GREEN



WIRING DIAGRAM

END 1	COLOR	DESCRIPTION	END 2	DESCRIPTION
PIN 1	DRAIN A	AUX LANE SHIELD (DRAIN)	PIN 1	AUX LANE SHIELD (DRAIN)
PIN 2	WHITE A	AUX -	PIN 2	AUX -
PIN 3	LT BLUE	AUX +	PIN 3	AUX +
PIN 4	DRAIN B	LANE 0 SHIELD (DRAIN)	PIN 4	LANE 0 SHIELD (DRAIN)
PIN 5	WHITE B	LANE 0-	PIN 5	LANE 0-
PIN 6	PINK	LANE 0+	PIN 6	LANE 0+
PIN 7	RED	POWER 0	PIN 7	POWER 0
PIN 8	BROWN	HOT PLUG DETECT	PIN 8	HOT PLUG DETECT
PIN 9	BLACK	GROUND 0	PIN 9	GROUND 0
PIN 10	GREEN	GROUND 1	PIN 10	GROUND 1
PIN 11	BLUE	MONITOR DETECT	PIN 11	MONITOR DETECT
PIN 12	ORANGE	POWER 1	PIN 12	POWER 1
BRD + SHD	NA	BRAID TO SHIELD	SHELL	BRAID TO SHIELD



CABLE CONSTRUCTION  
DISPLAY PORT

<b>FUNCTIONAL SYMBOLS</b> DIMENSION UNITS: FRACTION SCALE: 5:1 GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL: ± 0.5° 4 PLACES: ± 3 PLACES: ± 2 PLACES: ± 0.13 1 PLACE: ± 0.25 0 PLACES: ±	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION CURRENT REV DESC: SEE REVISION TABLE					
	EC NO: 705668 DRWN: SAKSHARAD 2022/04/29 CHK'D: GKUNCHOORU 2022/05/05 APPR: TSWAROOPNUNE 2022/05/05				HSAL2 12CKT DP ASSM 65DEG UP SEALED PLUG TO STRAIGHT SEALED PLUG PRODUCT CUSTOMER DRAWING	
<b>DIVISIONAL SYMBOLS</b> THIRD ANGLE PROJECTION DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	INITIAL REVISION: DRWN: CCOX 2013/04/23 APPR: KMONROE 2013/05/22		DOCUMENT NUMBER: RSD-100009-022	DOC TYPE: PSD	DOC PART: 001	REVISION: H
	SERIES: E-SIZE 100009		MATERIAL NUMBER: SEE SHEET 1	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 2 OF 3	

DATE	REV	DESCRIPTION
2014/03/10	E	UPDATED M12 & 2P LVDS ASSM & ADDED PART NUMBERS EM-100008-027, EM-111149-006, EM-111149-009, EM-111149-011 E-111149-009, E-100008-027, E-100009-022, E-111149-006, E-111149-011 RSD-111149-009, RSD-100008-027, RSD-100009-022, RSD-111149-006 RSD-111149-011
2014/07/08	E1	DOCUMENT MAINTENANCE ADDED CHART TO SHT.3, UPDATED CABLE SECTION VIEW.
2016/02/26	E2	CHANGED ID LABEL TO FLAG LABEL, ADDED CUSTOMER PN BARCODE CHANGED "molex" TO ALL CAPITAL LETTERS
2016/04/28	E3	DOCUMENT MAINT.
2016/11/13	E4	DELETED MATERIAL/FINISH CHART;UPDATED NOTES; ADDED PN 100009-1915
2017/11/03	F	ADDED THE NEW PN 100009-1928 TO MOLEX DRAWING AND UPDATED THE CABLE LENGTH TO 2535 MM UPDATED NOTE 3 TO RoHS COMPLIANT. WAS LEAD FREE,ON RoHS EXEMPTIONS UPDATED THE WIRING DAIGRAM COLOR TO DRAIN A WAS NA, WHITE A WAS WHITE, LT BLUE WAS BLUE,DRAIN B WAS NA,WHITE B WAS WHITE, UPDATED THE CABLE CROSS SECTION
2018/03/28	G	1. UPDATED THE CABLE LENGTH FOR MOLEX P/N:100009-1928 TO 2.56 M WAS 2.51 M 2.ADDED THE PINOUT SYMBOL. 3.ADDED THE NOTE 7 TO 100% LEAK TESTED. 4.UPDATED THE "VISIT www.molex.com FOR RoHS COMPLAINCE INFORMATION" WAS ROHS COMPLIANT
2020/05/25	G1	1. UPDATED ENVIRONMENTAL COMPLIANCE WAS ROHS COMPLIANCE. 2. CHANGED RAW CABLE SUPPLIER TO LTK VIETNAM WAS BELDEN. 3. ADDED PS AND NOTE 8.
2021/05/18	G2	REMOVED 100009-1928 PN FROM THE FAMILY DRAWING.
2022/04/29	H	ADDED NEW MPN 1111491271

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 REVISION TABLE																	
HYBRID		1:1		<p>EC NO: 705668  DRWN: SAKSHARAD 2022/04/29  CHK'D: GKUNCHOORU 2022/05/05  APPR: TSWAROOPNUNE 2022/05/05</p> <p>INITIAL REVISION:  DRWN: CCOX 2013/04/23  APPR: KMONROE 2013/05/22</p>																	
GENERAL TOLERANCES (UNLESS SPECIFIED)																					
ANGULAR TOL		± 0.5°																			
4 PLACES		±																			
DIVISIONAL SYMBOLS										<p>3 PLACES ±</p> <p>2 PLACES ± 0.13</p> <p>1 PLACE ± 0.25</p> <p>0 PLACES ±</p>											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
												E-SIZE		100009		SEE SHEET 1		GENERAL MARKET		3 OF 3	

# molex

HSAL2 12CKT DP ASSM  
65DEG UP SEALED PLUG TO STRAIGHT SEALED PLUG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: RSD-100009-022    DOC TYPE: PSD    DOC PART: 001    REVISION: H