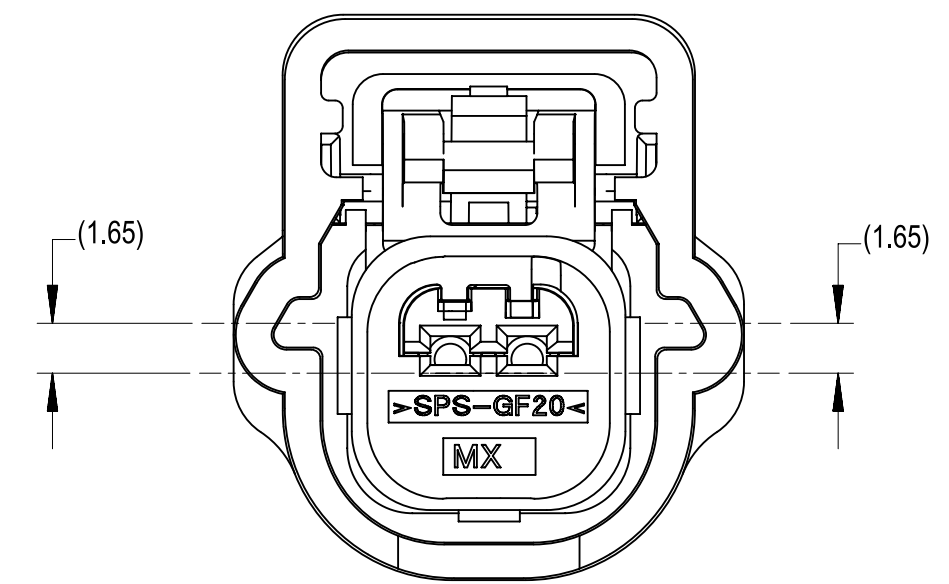
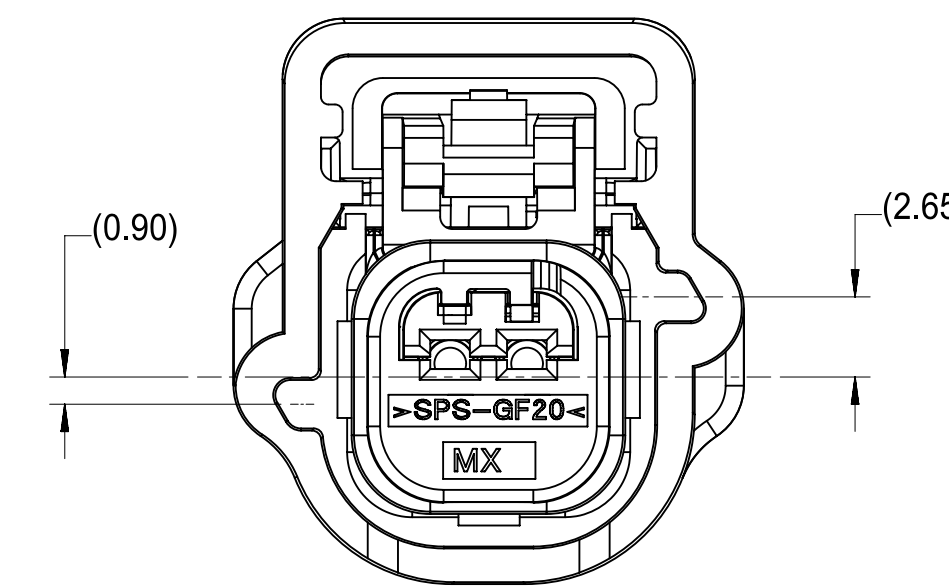


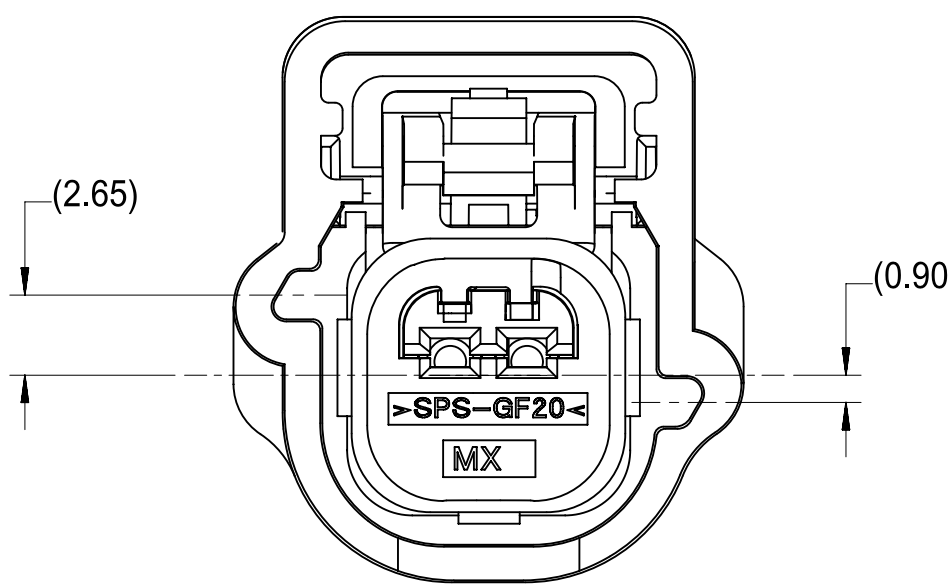
KEYWAY OPTIONS



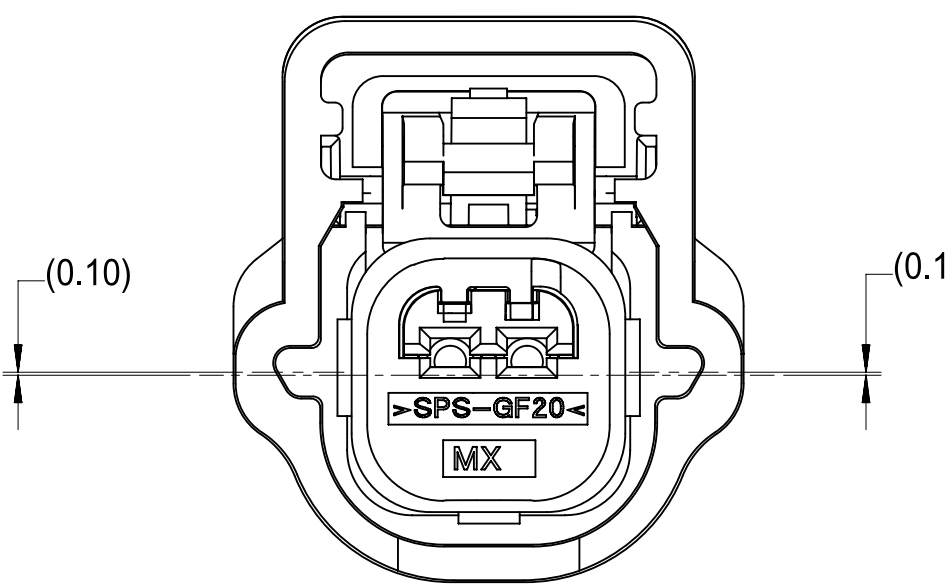
POLARIZATION OPTION A



POLARIZATION OPTION B

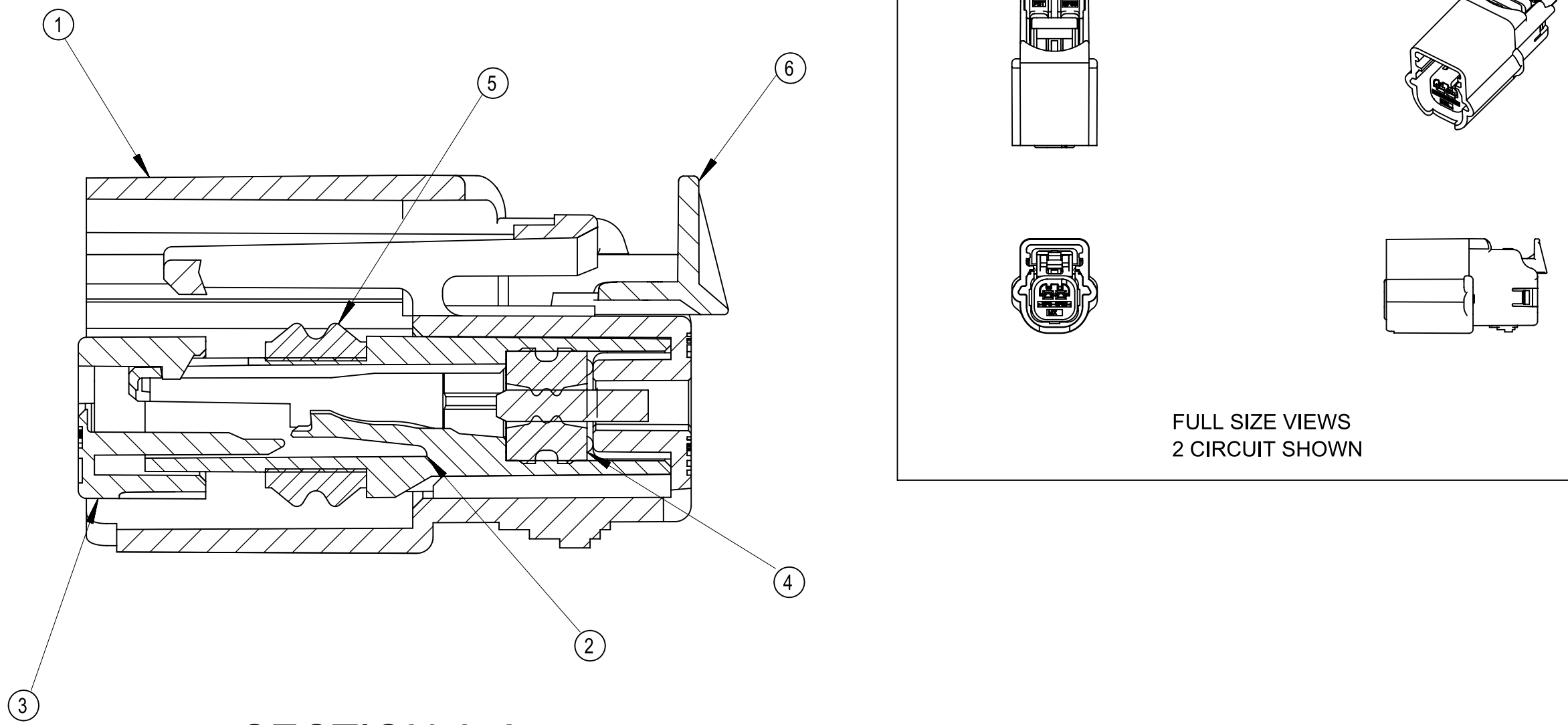
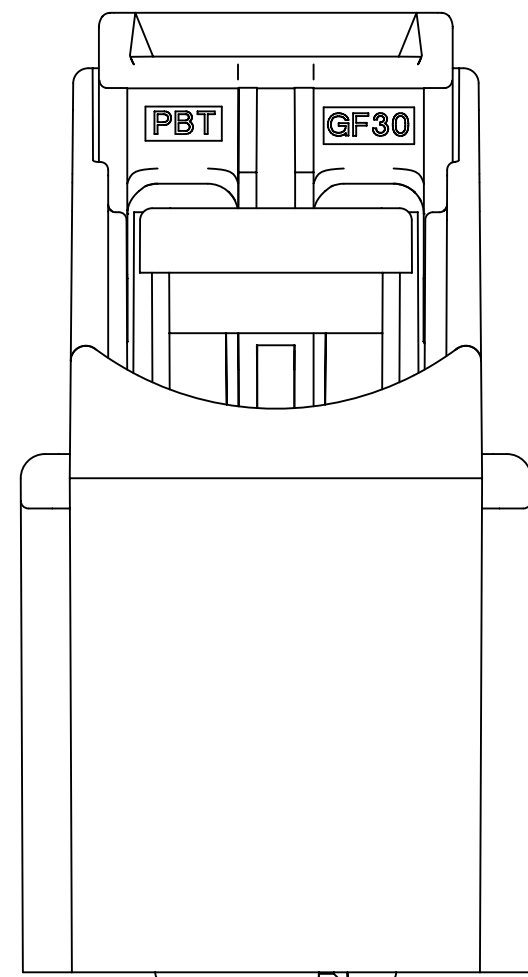


POLARIZATION OPTION C

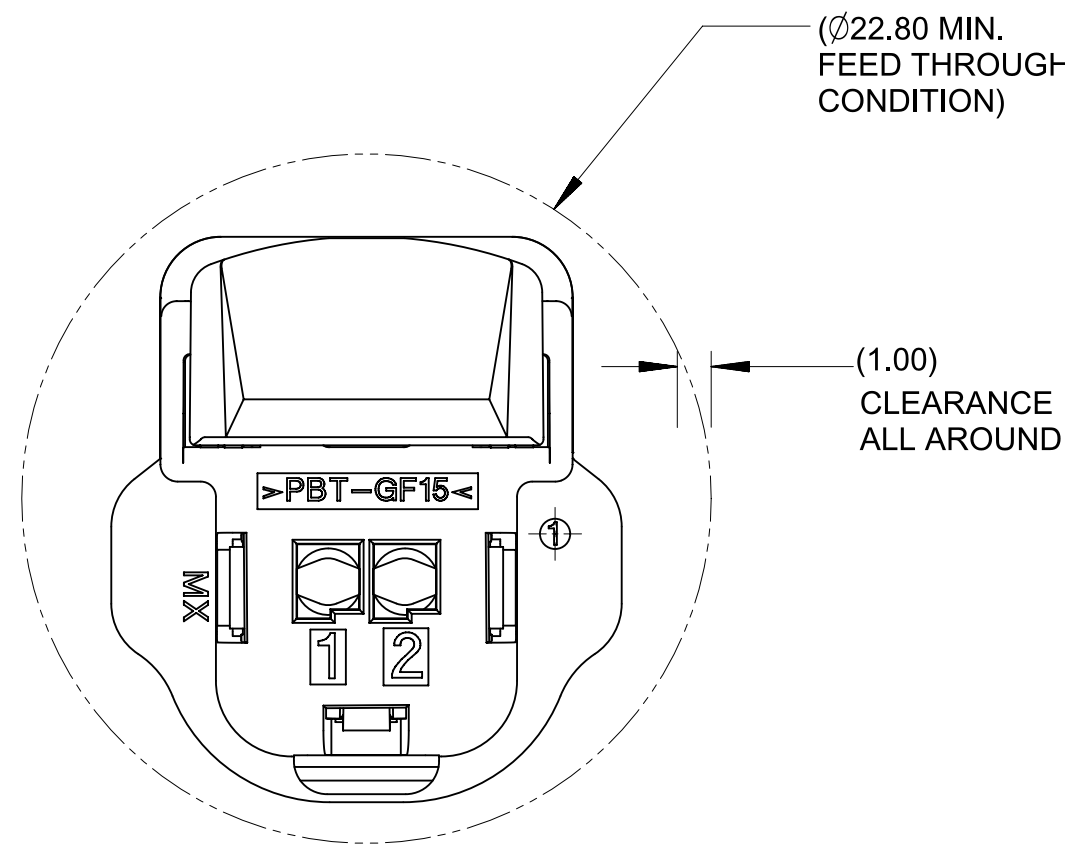
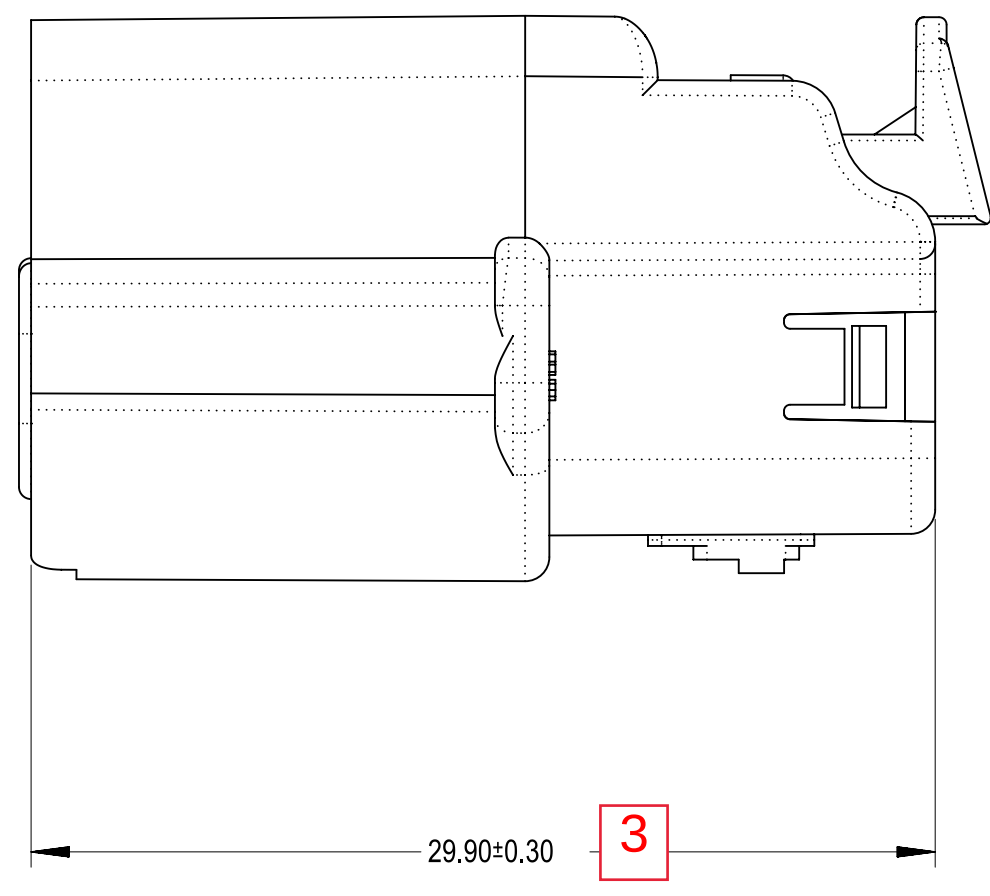
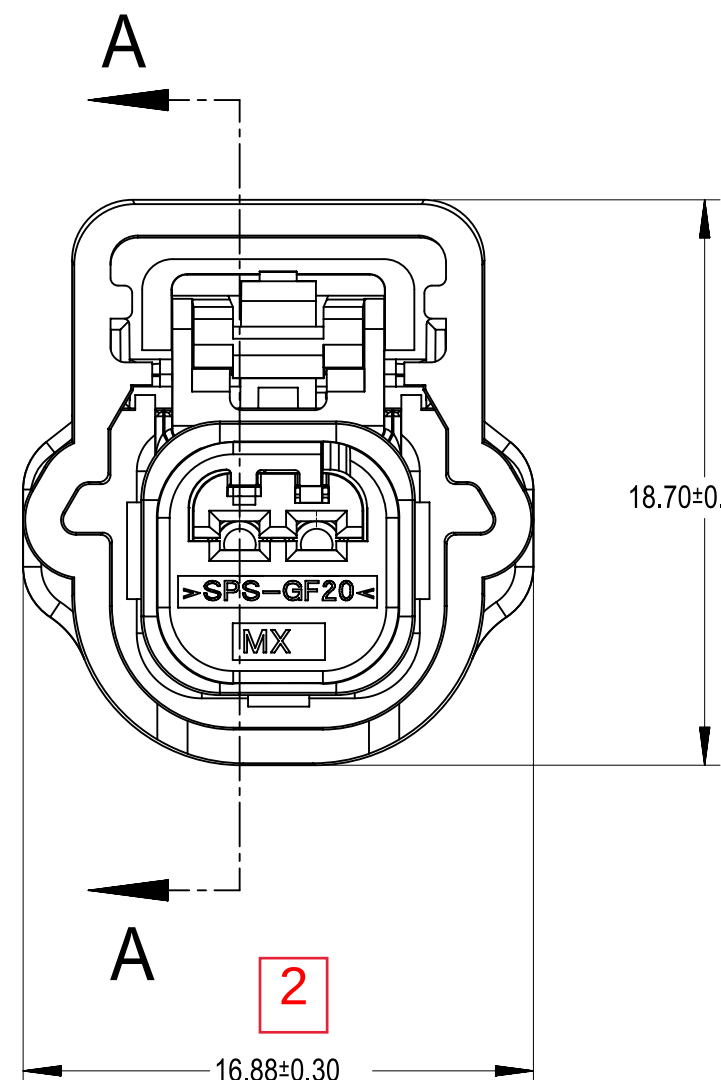


POLARIZATION OPTION D

ASSEMBLY PART NUMBERS											
FORD P/N	FORD SUFFIX	MOLEX P/N	CPA	POLARIZATION	COLOR	PLUGGED CIRCUIT POSITIONS		INSERTION FORCE			WEIGHT (g)
						1	2	TIN TERMINALS	GOLD TERMINALS	SILVER TERMINALS	
6L2T-14A464-AD	-000	34975-2100	NO	A	BLACK			12 N	11 N	TBD	4.34
6L2T-14A464-AD	---	34975-2101	NO	A	BLACK	1	2	12 N	11 N	TBD	4.34
KU5T-14A464-JA	-000	34975-2120	NO	A	GRAY			12 N	11 N	TBD	4.34
7T4T-14A464-JC	-000	34975-2110	YES	A	BLACK			12 N	11 N	TBD	4.72
6E5T-14A464-KD	-000	34975-2200	NO	B	GRAY			12 N	11 N	TBD	4.34
---	---	---	---	C	BROWN			12 N	11 N	TBD	TBD
BL3T-14A464-KC	-000	34975-2500	NO	B	BLACK			12 N	11 N	TBD	4.34
6E5T-14A464-LC	-000	34975-2700	NO	D	BLACK			12 N	11 N	TBD	4.34
7L7T-14A464-EC	-000	34975-2710	YES	D	BLACK			12 N	11 N	TBD	4.72
HU5T-14A464-XA	-000	34975-2510	YES	B	BLACK			12 N	11 N	TBD	4.72



SECTION A-A
TPA SHOWN IN AS-SHIPPED
PRE-SET POSITION
SEE NOTE 16



2 CIRCUIT SHOWN WITH
POLARIZATION OPTION A AND CPA

NOTES: UNLESS OTHERWISE SPECIFIED.

- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV. 11, DATED 08/11/02.
- PART MUST CONFORM TO THE LATEST LEVEL OF SAE/USCAR-2 REVISION 4 DATED REVISED MAY 2004, CLASS III ENVIRONMENT.
- MAXIMUM INSERTION FORCE FULLY POPULATED WITH TIN TERMINALS SEE CHART, WITH GOLD TERMINALS SEE CHART.
- ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHERE EVER PACKAGE SIZE PERMITS.
- ENGINEERING APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART.
- FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE.
- ENGINEERING APPROVAL OF SAMPLE FROM EACH SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
- CHANGES FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
- GENERAL TOLERANCES: +0.25 ALL ONE PLACE DIMENSIONS, +0.13 ALL TWO PLACE DIMENSIONS, +0.5'00' ALL ANGULAR DIMENSIONS.
- PART MUST MATE WITH USCARIEWCAP DIRECT CONNECT INTERFACE 064-S-002-1-Z02.
- REFER TO THE USCAR WEB SITE FOR CURRENT DRAWING INFORMATION (USCARTEAMS.ORG).
- 0.3mm MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
- G DENOTES GAGE DESIGN. GAGE DESIGNS MUST HAVE SIGNED ENGINEERING APPROVAL PRIOR TO CONSTRUCTION AND WILL BE A CONDITION OF FINAL PART APPROVAL.
- PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
- SOURCE IDENTIFICATION MARK, PRODUCTION DATE CODE & FORD ASSEMBLY PART NO. MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE.
- DRAWING CONFORMS TO AVP-(T401/T406)-001 REVISION "R" DATED 16/07/01 WITH THE EXCEPTION OF NOTE 16 FIG. 6.
- PACKAGING: IN THE EVENT THAT A TPA IS FOUND IN THE SEATED (FINAL LOCK) POSITION, PLEASE REFERENCE MOLEX SPECIFICATION PS-34648-001, AVAILABLE AT WWW.MOLEX.COM.
- SECOND DISENGAGEMENT FORCE TO MOVE THE TPA FROM FINAL-LOCK TO PRE-LOCK POSITION: 15N MIN.
- POLARIZATION FEATURE EFFECTIVENESS PER USCAR-2 PARAGRAPH 5.4.4 IS REDUCED WHEN TESTING ALL KEY OPTIONS: 100N MIN.
- SEAL MUST MEET USCAR-2, REVISION 4, SECTION 5.6.6.
- COMPATIBLE WIRE DIAMETER RANGE IS 1.20 to 2.06 mm.

BILL OF MATERIAL FOR 2 CIRCUIT ASSEMBLY						
ITEMS	QTY.	MOLEX PART NUMBER	DESCRIPTION	FORD MATERIAL SPECIFICATION	COLOR	RECYCLING CODE
1	1	31412-211X	CONN. HSG. POL-A	TBD	BLACK	PBT-GF15
		31412-221X	CONN. HSG. POL-A	TBD	GRAY	PBT-GF15
		31412-212X	CONN. HSG. POL-B	TBD	GRAY	PBT-GF15
		31412-213X	CONN. HSG. POL-C	TBD	BROWN	PBT-GF15
		31412-214X	CONN. HSG. POL-D	TBD	GREEN	PBT-GF15
		31412-215X	CONN. HSG. POL-B	TBD	BLACK	PBT-GF15
2	1	31412-2200	TERMINAL HOUSING	TBD	BLACK	SPS/PA66-GF30
3	1	31412-2300	TPA	TBD	NATURAL	SPS/PA66-GF20
4	1	31412-2401	MATTE SEAL	SEE NOTE 19	ROYAL BLUE	N/A
5	1	31412-2500	PERIPHERAL SEAL	SEE NOTE 19	BLUE	N/A
6	1	31412-2600	CPA - OPTIONAL	WSK-M4D790-A	RED	PBT-GF30

APPLICABLE COMPONENTS						
DESCRIPTION	NOMINAL TERMINAL SIZE	FORD PART NUMBER	MOLEX PART NUMBER	TERMINAL MATERIAL SPECIFICATION	PLATING SPECIFICATION (P)	WIRE SIZES (P)
TERMINAL - FEMALE (Sn)	0.64 (CAT. "0")	3F2T-14474-RA	34230-0003	CuNi3SiMg	TIN PLATING	18-20 AWG 0.50-0.75mm²
TERMINAL - FEMALE (Sn)	0.64 (CAT. "0")	3F2T-14474-SA	34230-0001	CuNi3SiMg	HOT DIPPED 3+1µm	22 AWG 0.35mm²
TERMINAL - FEMALE (Au)	0.64 (CAT. "0")	1L2T-14474-CA	TBD	CuNi3SiMg	GOLD PLATING	18-20 AWG 0.50-0.75mm²
TERMINAL - FEMALE (Au)	0.64 (CAT. "0")	1L2T-14474-DA	TBD	CuNi3SiMg	PLATING SPEC. ACC. ES-F8DB-14A229-AA	22 AWG 0.35mm²
TERMINAL - FEMALE (Ag)	0.64 (CAT. "0")	7S4T-14474-AA	TBD	CuNi3SiMg	SILVER PLATING	18-20 AWG 0.50-0.75mm²
TERMINAL - FEMALE (Ag)	0.64 (CAT. "0")	7S4T-14474-BA	TBD	CuNi3SiMg	4+1µm CONTACT AREA 0.5µm MIN. OTHER AREAS	22 AWG 0.35mm²

PART NUMBERS			
KU5T-14A464-JA			
HU5T-14A464-XA			
6L2T-14A464-AD			
BL3T-14A464-KC			
7L7T-14A464-EC			
7T4T-14A464-JC			
6E5T-14A464-LC			
6E5T-14A464-KD			

FRAMES & 2	LTRS.		REVISIONS			
	ORIGINATOR	CHECKER	ENGR.APP.	MATL.APP.		
L	REVISED AND REDRAWN ADDED CONFIGURATION FOR FORD SUFFIX: BL3T-14A464-KA -000 AND MOLEX P/N 31402-2500 20080716 AELE-E-11776560-216				CAD: Y	
	DGRIFFITHS	SVERZYL	GLEECE			
	ADDED NOTE #19					
M	20090217 AELE-E-11776560-268				CAD: Y	
	DGRIFFITHS	SVERZYL	GLEECE			
N	MOLEX PART# 31412-2401 WAS MOLEX PART# 31412-2400 RELEASED 6L2T-14A464-AC, 6E5T-14A464-KC, LB BL3T-14A464-KB, 7T4T-14A464-JB, 7L7T-14A464-AB, BB, EB AELE-E-11776560-554					20111217
	CYMA	BDICK01	MSALANTA			
	ADDED NOTE 20 FOR THE WIRE OD RANGE 1.20mm TO 2.06mm ADDED ISO WIRE SIZES ADDED 7S4T-14474-AA AND 7S4T-14474-BA UPDATED PLATING SPECIFICATION					
P	AELE-E-11776560-621				20120531	
	CYMA	XBTANG	MSALANTA			
R	UPDATED MOLEX P/N 34975 FOR ISO WIRE CONNECTOR UPDATED RELATED FORD P/N FOR ISO WIRE CONNECTOR AELE-E-11776560-705					20130220
	MCHEN37	JDENG02	JPITTEN1			
S	REMOVED 6L2T-14A464-AC 7T4T-14A464-JB 6E5T-14A464-KC 7L7T-14A464-AB 7L7T-14A464-BB BL3T-14A464-KB 6E5T-14A464-LB 7L7T-14A464-EB MOLEX P/N PREFIX WAS 31402					
	RELEASED 6L2T-14A464-AD 7T4T-14A464-JC 6E5T-14A464-KD 7L7T-14A464-AC 7L7T-14A464-BC BL3T-14A464-KC 6E5T-14A464-LC 7L7T-14A464-EC AELE-E-11776560-705					20130306
	MCHEN37	JDENG02	JPITTEN1			
T	ADDED FORD SUFFIX COLUMN IN BOM OF ASSEMBLY PART NUMBER AND ADDED 31412-215X IN BILL OF MATERIAL AELE-E-11776560-771					20150709
	MCHEN37	JDENG02	JPITTEN1			
U	RELEASED HUST-14A464-XA AELE-E-11776560-981					20160217
	TYE	JDENG02	JPITTEN1			
V	RELEASED KUST-14A464-JA AELE-E-13113841-047					20160728
	MCHEN37	JDENG02	JPITTEN1			
W	REMOVED 7L7T-14A464-AC AND 7L7T-14A464-BC AELE-E-13113841-300					20191218
	PZHANG71	JDENG02	JPITTEN1			
Y	ADDED 34975-2101 AELE-E-13113841-380					20210930
	MCHEN37	CDZHANG	KLAZAR1			

REFERENCE FOR INFORMATION CONTACT: MOLEX INCORPORATED 7331						
PART MUST COMPLY WITH MATERIAL SPECIFICATION KSS-H99P9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.						
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE			3RD ANGLE PROJ DIMENSIONS IN MILLIMETERS			
CAD TYPE	CAD LOC.	CAD FILE				
			IS MASTER			
OPER. NO.	UNIT	DRAWING 6L2T-14A464-AD				
DESIGN MCHEN37	DETAIL RCARLSON	TITLE SLEEVE ASSEMBLY WIRE				SHT 1 OF 1
CHECKED	SAFETY	CONNECTOR FEMALE				
SCALE 4:1	DATE 2016/07/28	DIVISION PLANT				Plotted