

WITHOUT CPA	WITH CPA	CIRCUIT SIZE	POLARIZATION	CONNECTOR HOUSING COLOR	TESTED WITH THE FEMALE TERMINAL	CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION								TOTAL CIRCUITS PLUGGED	STATUS	WIRE DRESS COVER(OPTIONAL)	
						1	2	3	4	5	6	7	8			HORIZONTAL	VERTICAL
31404-9100	31404-9110	1X8	A	BLACK	TE GEN Y 0.64MM TERMINAL /YAZAKI FLX 0.64MM.TERMINAL								0	SALABLE	31414-8600	31414-8700	
31404-9101	31404-9111		A	BLACK										1			SALABLE
31404-9102	31404-9112		A	BLACK										2			SALABLE
31404-9103	31404-9113		A	BLACK										3			SALABLE
31404-9104	31404-9114		A	BLACK										4			SALABLE
31404-9105	31404-9115		A	BLACK										5			SALABLE
31404-9106	31404-9116		A	BLACK										6			SALABLE
31404-9107	31404-9117		A	BLACK										7			SALABLE
31404-9108	31404-9118		A	BLACK										8			SALABLE
31404-9109	31404-9119		A	BLACK										3			SALABLE
31404-9121	31404-9131		A	BLACK										1			SALABLE
31404-9122	31404-9132		A	BLACK										2			SALABLE
31404-9123	31404-9133		A	BLACK										3			SALABLE
31404-9124	31404-9134		A	BLACK										4			SALABLE
31404-9125	31404-9135		A	BLACK										5			SALABLE
31404-9126	31404-9136		A	BLACK										6			SALABLE
31404-9127	31404-9137		A	BLACK										7			SALABLE
31404-9141	31404-9151		A	BLACK										1			SALABLE
31404-9142	31404-9152		A	BLACK										2			SALABLE
31404-9143	31404-9153		A	BLACK										3			SALABLE
31404-9161	31404-9171		A	BLACK										1			SALABLE
31404-9162	31404-9172		A	BLACK										2			SALABLE
31404-9163	31404-9173		A	BLACK										3			SALABLE
31404-9182	31404-9192		A	BLACK										6			SALABLE
31404-9183	31404-9193		A	BLACK										6			SALABLE
31404-9501	31404-9511		A	LT.GRAY										3			SALABLE
31404-9502	31404-9512		A	BLACK										3			SALABLE
31404-9503	31404-9513		A	BLACK										1			SALABLE
31404-9522	31404-9532		A	BLACK										2			SALABLE
31404-9523	31404-9533		A	BLACK										4			SALABLE
31404-9542	31404-9552		A	BLACK										2			SALABLE
31404-9543	31404-9553		A	BLACK										3			SALABLE
31404-9562	31404-9572		A	BLACK										2			SALABLE
31404-9563	31404-9573		A	BLACK										3			SALABLE
31404-9583	31404-9593		A	BLACK										3			SALABLE
31404-9584	31404-9594		A	BLACK										2			SALABLE
31404-9200	31404-9210		B	LT.GRAY										0			SALABLE
31404-9203	31404-9213		B	LT.GRAY										3			SALABLE
31404-9204	31404-9214		B	LT.GRAY										4			SALABLE
31404-9300	31404-9310		C	DK.GRAY										2			SALABLE
31404-9400	31404-9410	D	TBD									0	NOT TOOL				

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTE
2	BOM
3	KEY CONFIGURATION
4	WIRE DRESS COVER ASSEMBLY

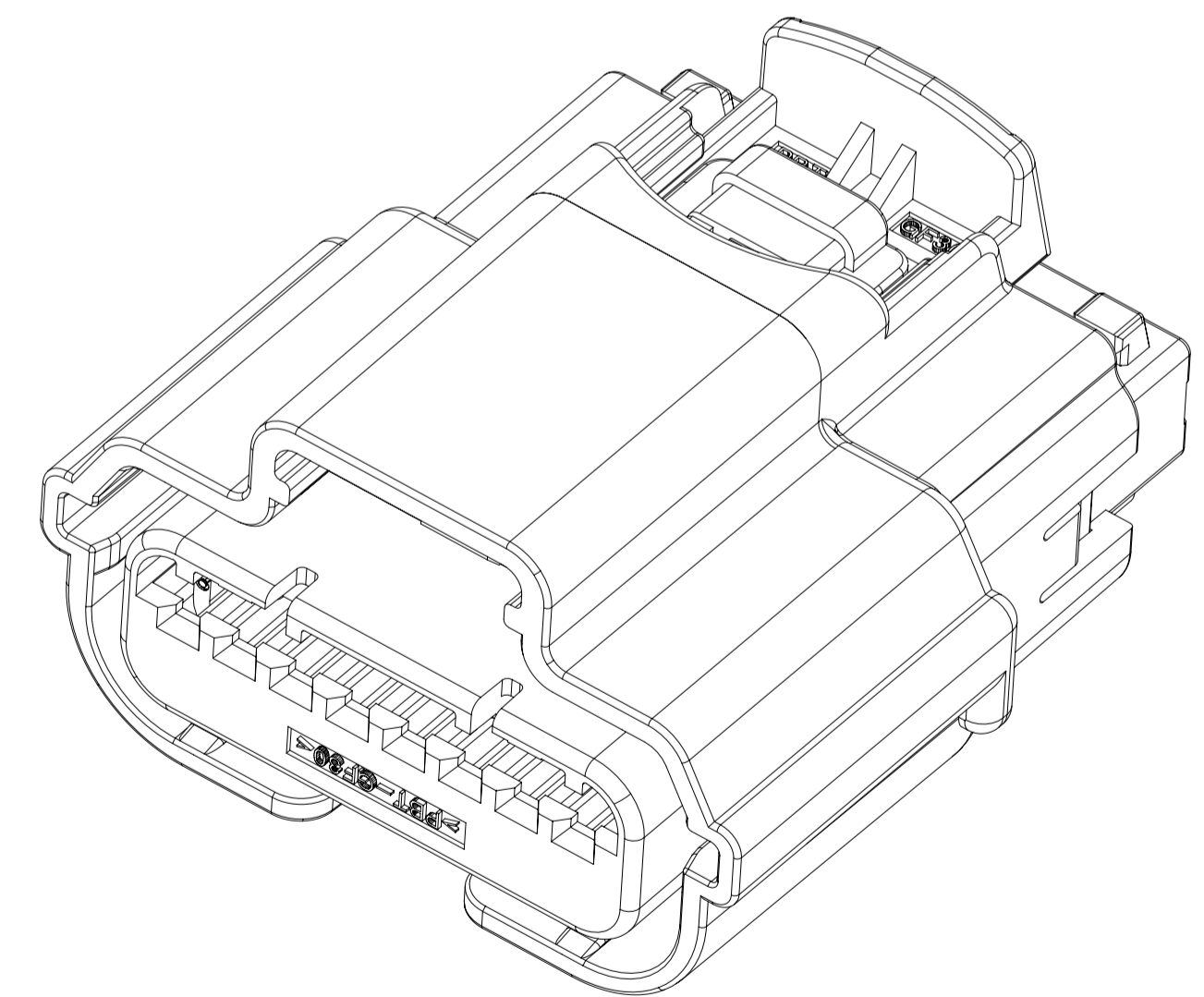
NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - APPLICATION SPECIFICATION SEE: AS-31402-000
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN USCAR INTERFACE DRAWING FOR SINGLE ROW SEALED 0.64 SYSTEMS. 064-S-008-1-Z02.
 - ASSEMBLY SHIPPED WITH TPA IN PRE-SET POSITION (SEE SECTION Z-Z) UPON FULL TERMINAL ASSEMBLY, TPA MUST BE SNAPPED INTO ITS FINAL LOCK POSITION AFTER TERMINALS ARE ASSEMBLED (SEE SECTION Y-Y)
 - TPA'S MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, TPA'S SHOULD BE MOVED TO THE PRE-LOCKED POSITION PRIOR TO FEMALE TERMINAL INSTALLATION. REFERENCE PRODUCT SPECIFICATION: PS-34646-001.
 - SYSTEM TO BE USED WITH WIRE WITHIN RANGE OF:
 - >SAE 22 AWG TO 18 AWG
 - >ISO 0.35MM² TO 0.75MM² PER GMW156256
 - >CABLE OUTSIDE DIAMETER: FROM 1.2MM TO 1.9 MM
- DESIGN - MATERIALS:
 - SEE BOM TABLE IN PAGE 2
- DESIGN - GEOMETRY:
 - THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION
 - DATE CODE: FIRST TWO DIGITS ARE THE CALENDAR YEAR (EXAMPLE: 13 = 2013), THIRD THROUGH 5TH DIGIT DAY # OF THE CALENDAR YEAR (EXAMPLE: FEB. 3RD = '034).
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

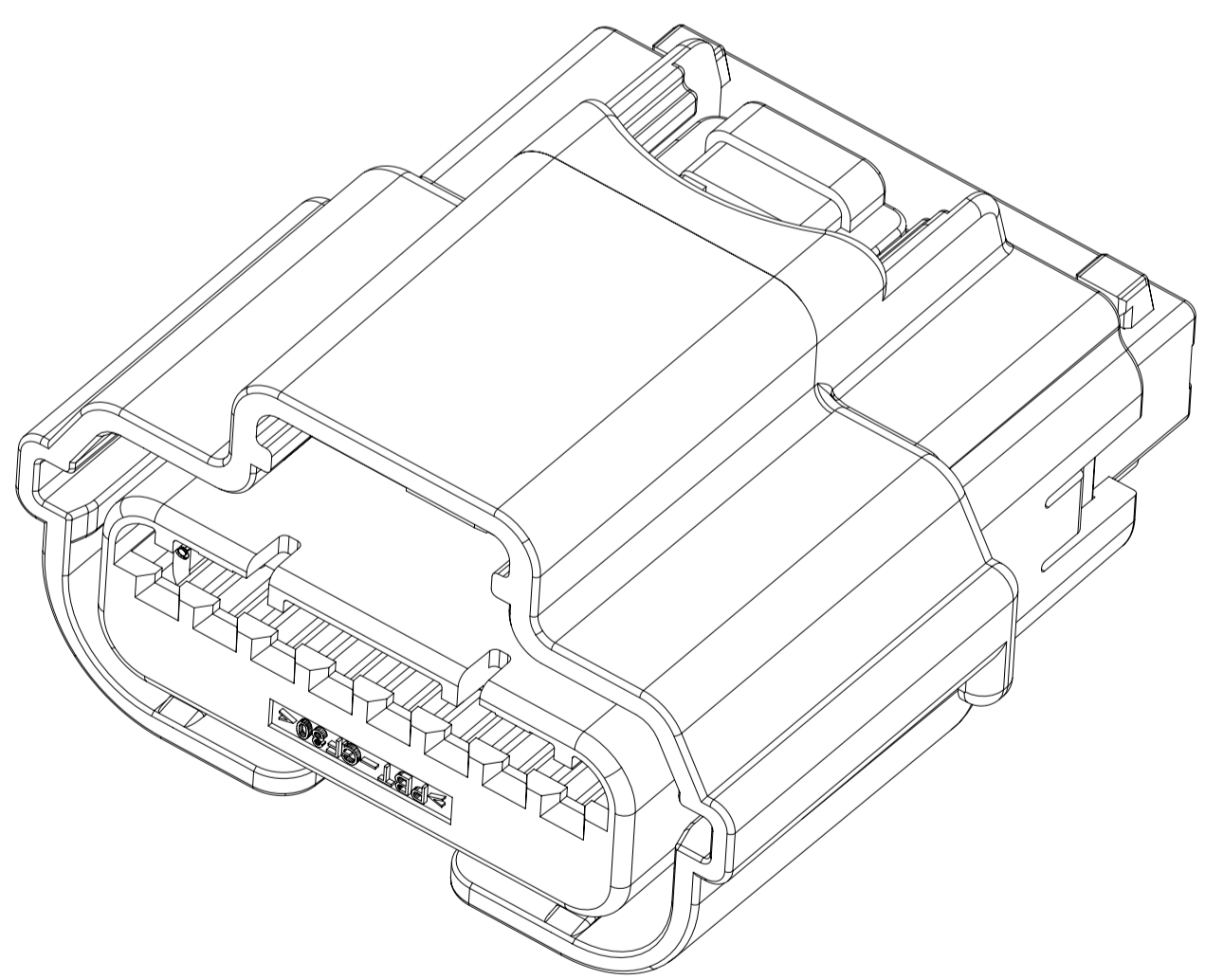
PART NUMBER LEGEND
CONNECTOR ASSEMBLY
31404-9XXX

- 0 - ALL CIRCUITS OPEN
- 1-9 - SEE CHART
- CPA OPTION
0, 2, 4, 6 OR 8 WITHOUT CPA
1, 3, 5, 7 OR 9 WITH CPA
- POLARIZATION OPTION
1 OR 5- POLARIZATION A
2 OR 6- POLARIZATION B
3 OR 7- POLARIZATION C
4 OR 8- POLARIZATION D

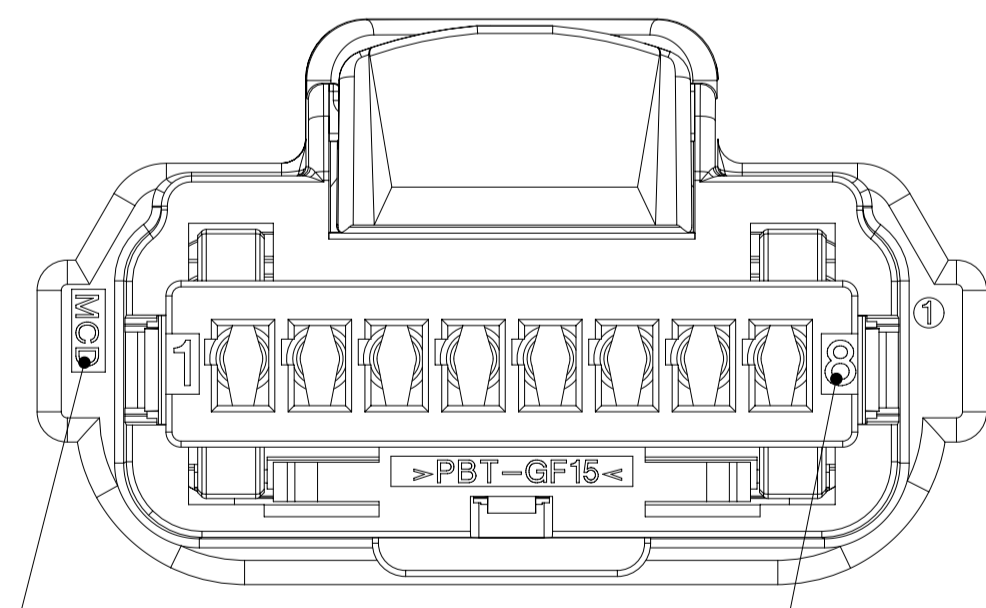
G6	ADD P/N: 31404-9127/9137
G5	ADD P/N: 31404-9125/9135
G4	ADD P/N: 31404-9109/9119
G3	ADD P/N: 31404-9203/9213, DELETE OBSOLETE P/Ns (31404-8XXX)
G2	UPDATE COLOR DESCRIPTION
G1	ADD P/N: 31404-9107/9117, 31404-9108/9118
G	OBSOLETE P/N 31404-8XXX ADD NEW P/N 31404-9501/31404-9511
F	ADD P/N 31404-9583/9593, 31404-9584/9594 AND 31404-9204/9214 CHANGE STATUS FROM "TOOED" TO "SALABLE"
E6	CHANGE P/N 31401-9101 TO 31404-9101
E3	ADD P/N: 31404-8563/8573 AND 31404-9563/9573
E2	ADD P/N: 31404-8126/8136 AND 31404-9126/9136
E1	ADD P/N: 31404-8106/8116 AND 31404-9106/9116
E	ADD P/N:31404-9XXX BASED ON THE PRODUCT UPGRADE
D3	ADD P/N: 31404-8562, 31404-8572.
D2	ADD P/N: 31404-8161 AND 31404-8171 31404-8542 AND 31404-8552 AND MANUFACTURING LOCATION ID
D1	ADD P/N: 31404-8522 AND 31404-8532
D	ADD P/N: 31404-8502 AND 31404-8512
C2	UPDATE NOTE 1_a ADD TE TERMINAL IN THE LIST
C1	UPDATE TERMINAL AND WIRE INFORMATON
C	ADD WIRE DRESS COVER P/N.
B	ADD P/N
A	INITIAL RELEASE SAP # 10647976



WITH CPA



WITHOUT CPA



MANUFACTURING LOCATION ID

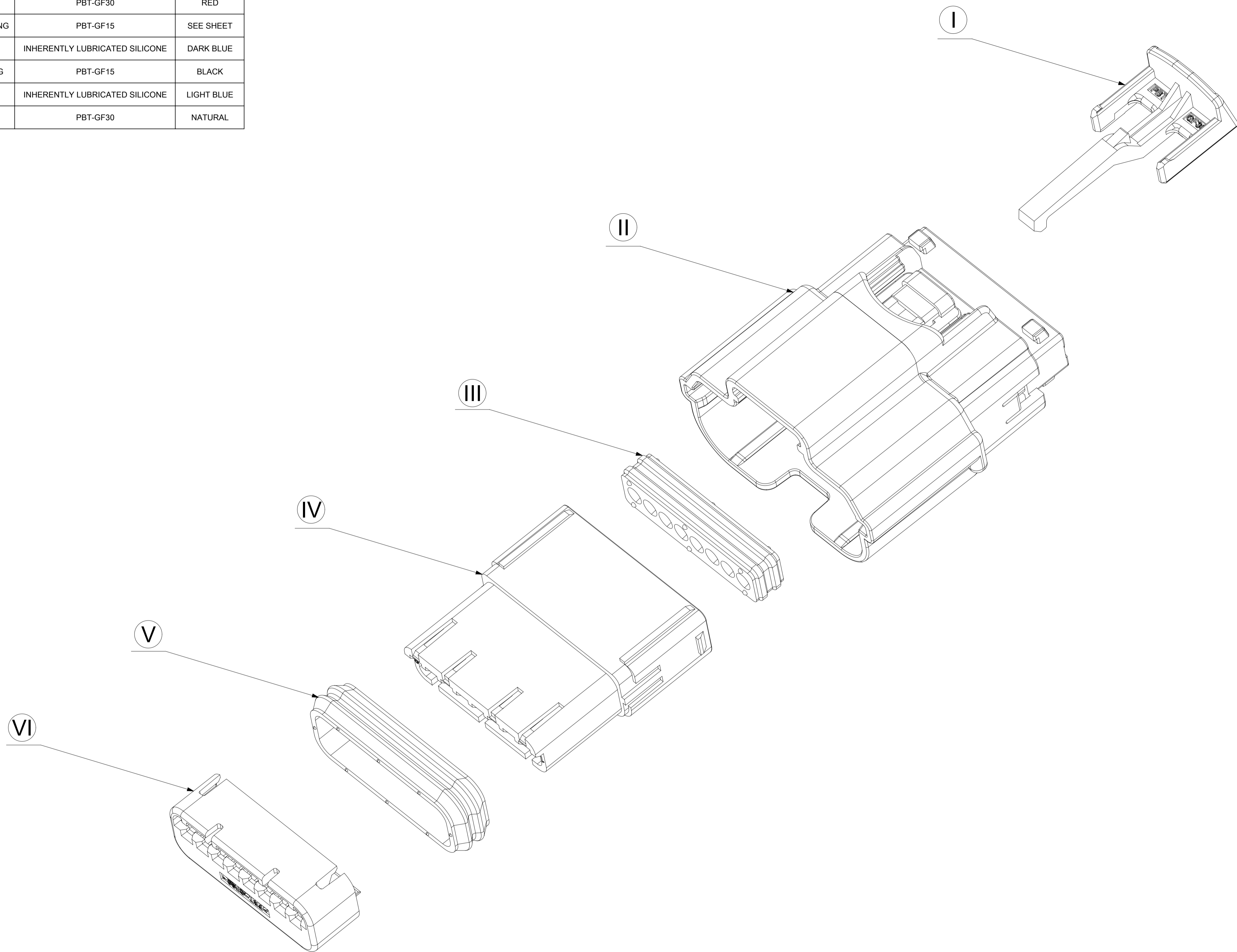
CIRCUIT ID

INSPECTION BALLOON NUMBER LOG			
PER DRAWING REVISION: F			
LAST BALLOON NUMBER USED: 4			
ADDED BALLOON NUMBERS:			
REMOVED BALLOON NUMBERS:			

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:		
	DIMENSION UNITS: mm SCALE: 4:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	EC NO: 642737 DRWN: PZHANG71 2020/07/28 CHK'D: CDZHANG 2020/08/12 APPR: JDENG02 2020/08/21 INITIAL REVISION: DRWN: GLI04 2014/06/12 APPR: DC LISLE 2014/07/28		
MATERIAL NUMBER: 31404 CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 4				

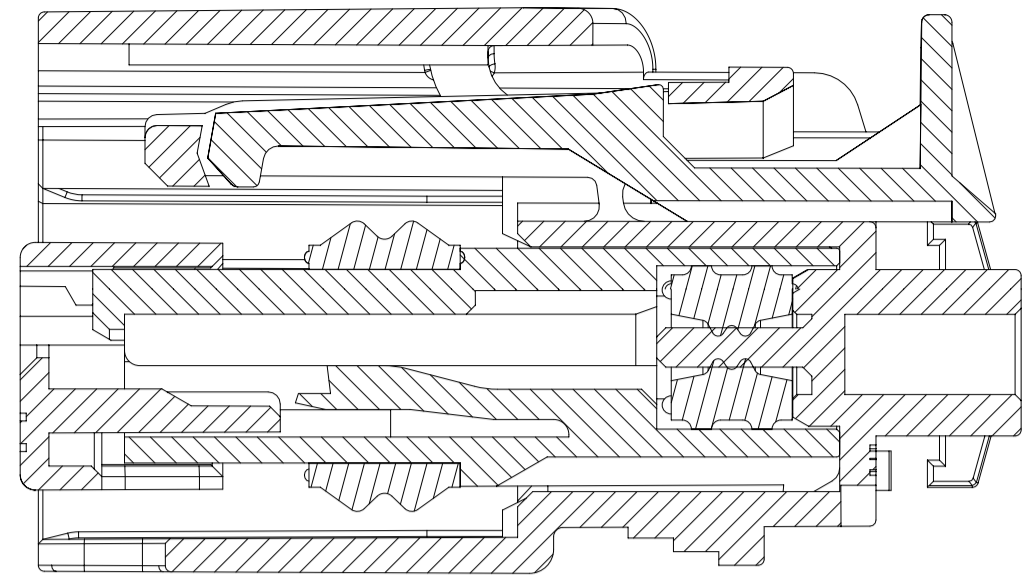
SHEET DESCRIPTION	
BOM	

ITEM NO.	DESCRIPTION	MATERIAL	COLOR
I	CPA	PBT-GF30	RED
II	CONNECTOR HOUSING	PBT-GF15	SEE SHEET
III	MATTE SEAL	INHERENTLY LUBRICATED SILICONE	DARK BLUE
IV	TERMINAL HOUSING	PBT-GF15	BLACK
V	PERIPHERAL SEAL	INHERENTLY LUBRICATED SILICONE	LIGHT BLUE
VI	TPA	PBT-GF30	NATURAL

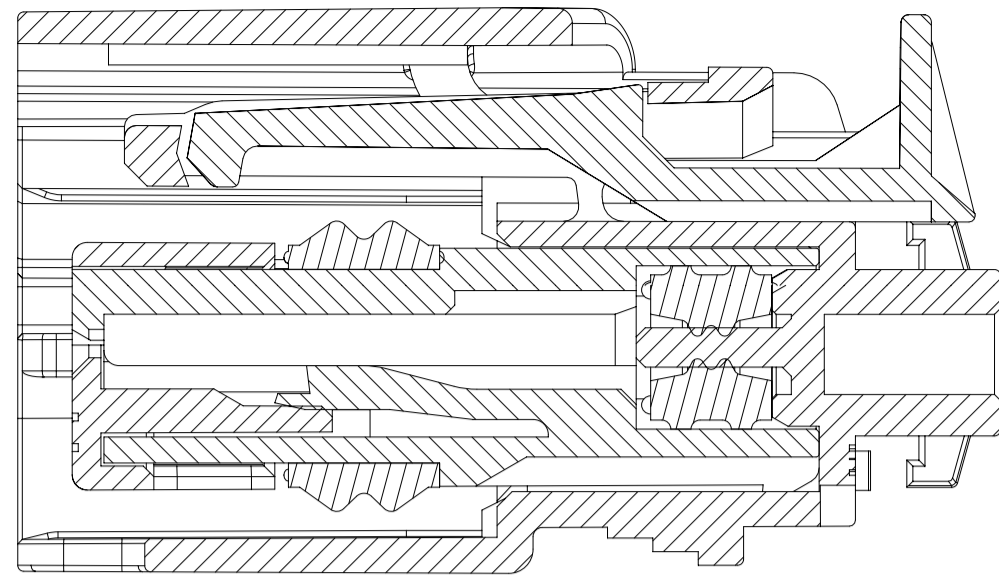


SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex				
▽ = 0	DIMENSION UNITS	mm	SCALE	4:1	EC NO: 642737		USCAR 0.64MM 8 WAY SEALED RECEPTACLE ASSY.			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: PZHANG71		2020/07/28		PRODUCT CUSTOMER DRAWING			
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▽ = 0	4 PLACES ±	APPR: JDENG02		2020/08/21		SD-31404-811		DOC TYPE	DOC PART	REVISION
▽ = 0	3 PLACES ±	INITIAL REVISION:		DRWN: GLI04		2014/06/12		PSD	001	G6
▽ = 0	2 PLACES ± 0.13	DRWN: DC_LISLE		2014/07/28		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
▽ = 0	1 PLACE ± 0.25	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		
▽ = 0	0 PLACES ±	A1-SIZE		31404		GENERAL MARKET		2 OF 4		

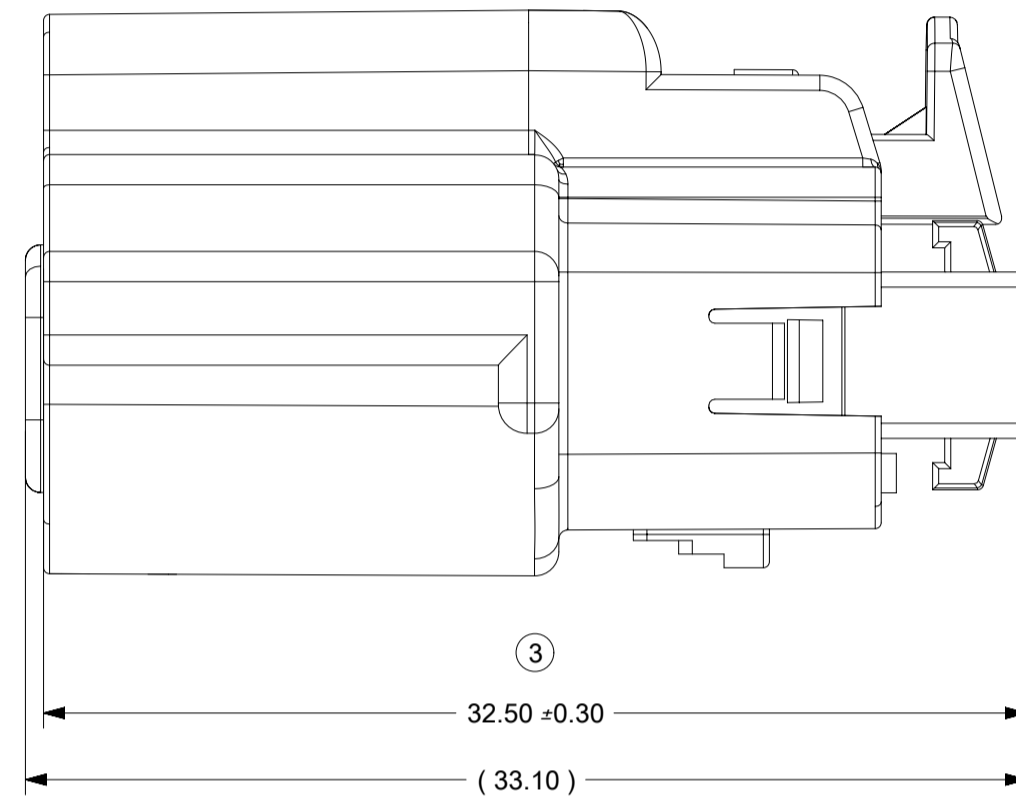
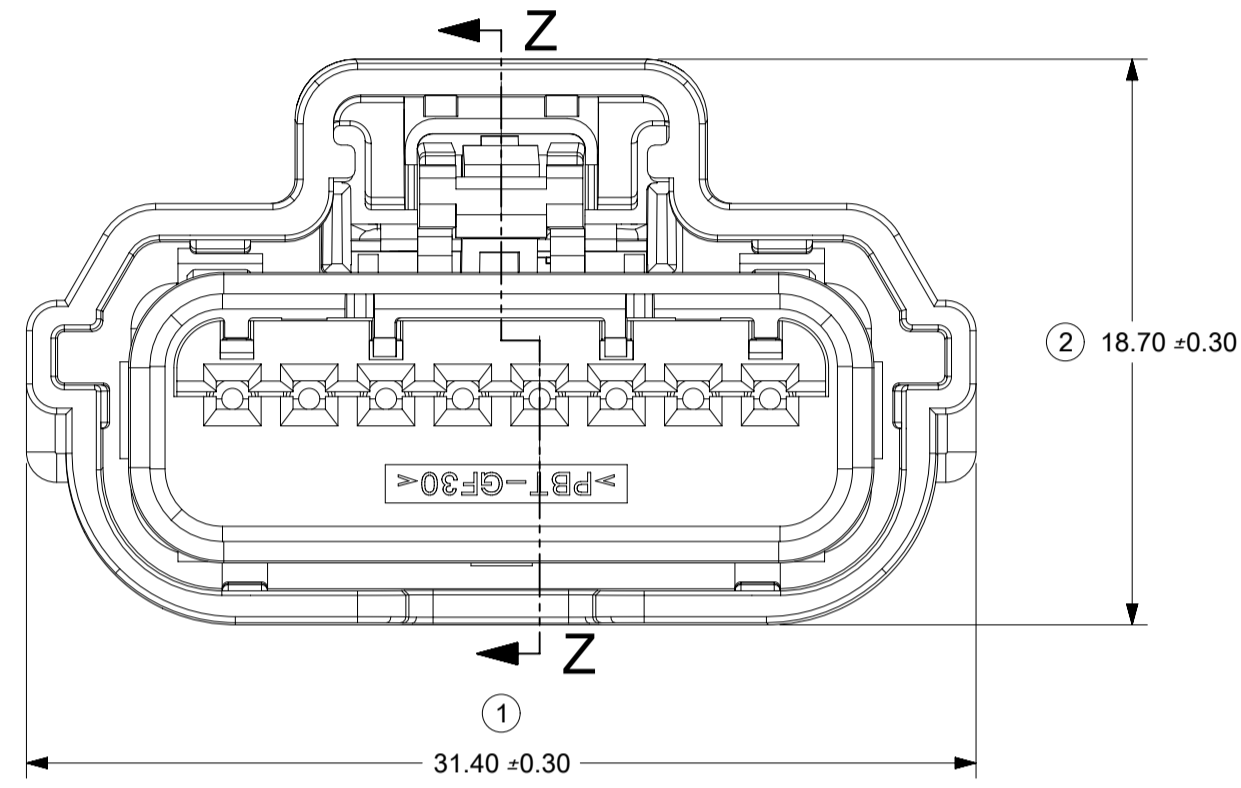
SHEET DESCRIPTION
KEY CONFIGURATIONS



SECTION Z-Z
TPA SHOWN IN AS-SHIPPED
PRE-SET POSITION
SEE NOTE 1-a

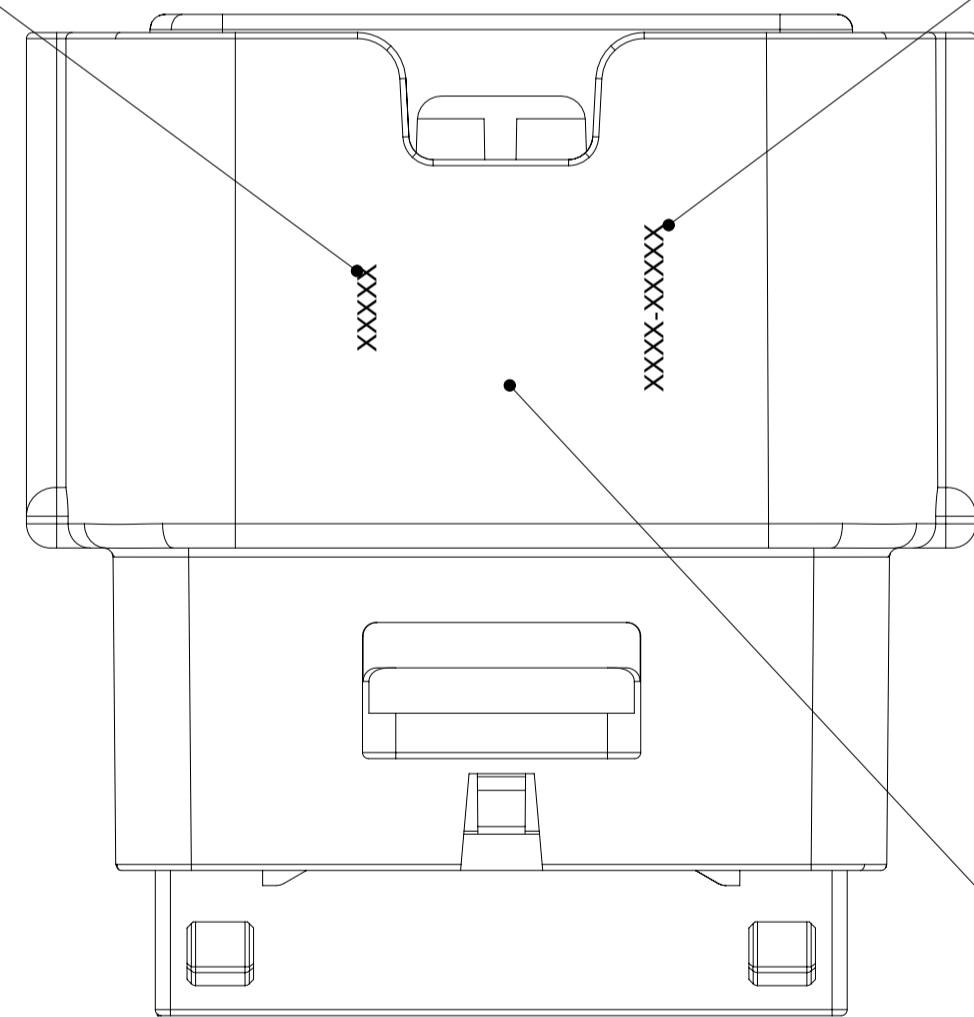


SECTION Y-Y
TPA SHOWN IN FINAL
LOCK POSITION POSITION
SEE NOTE 1-a

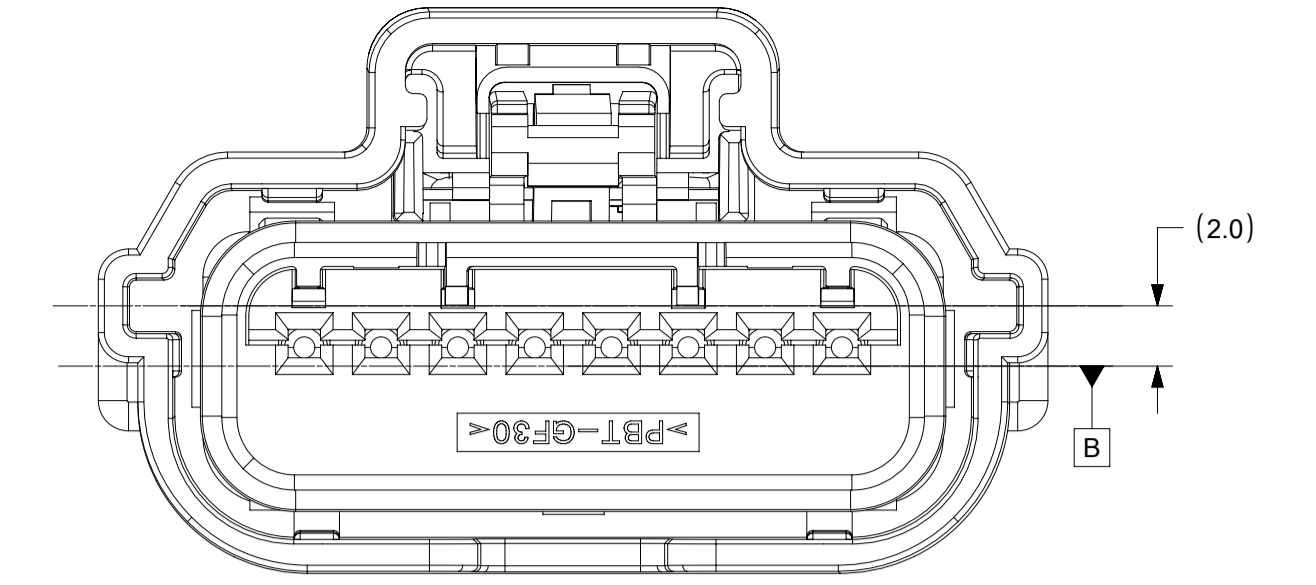
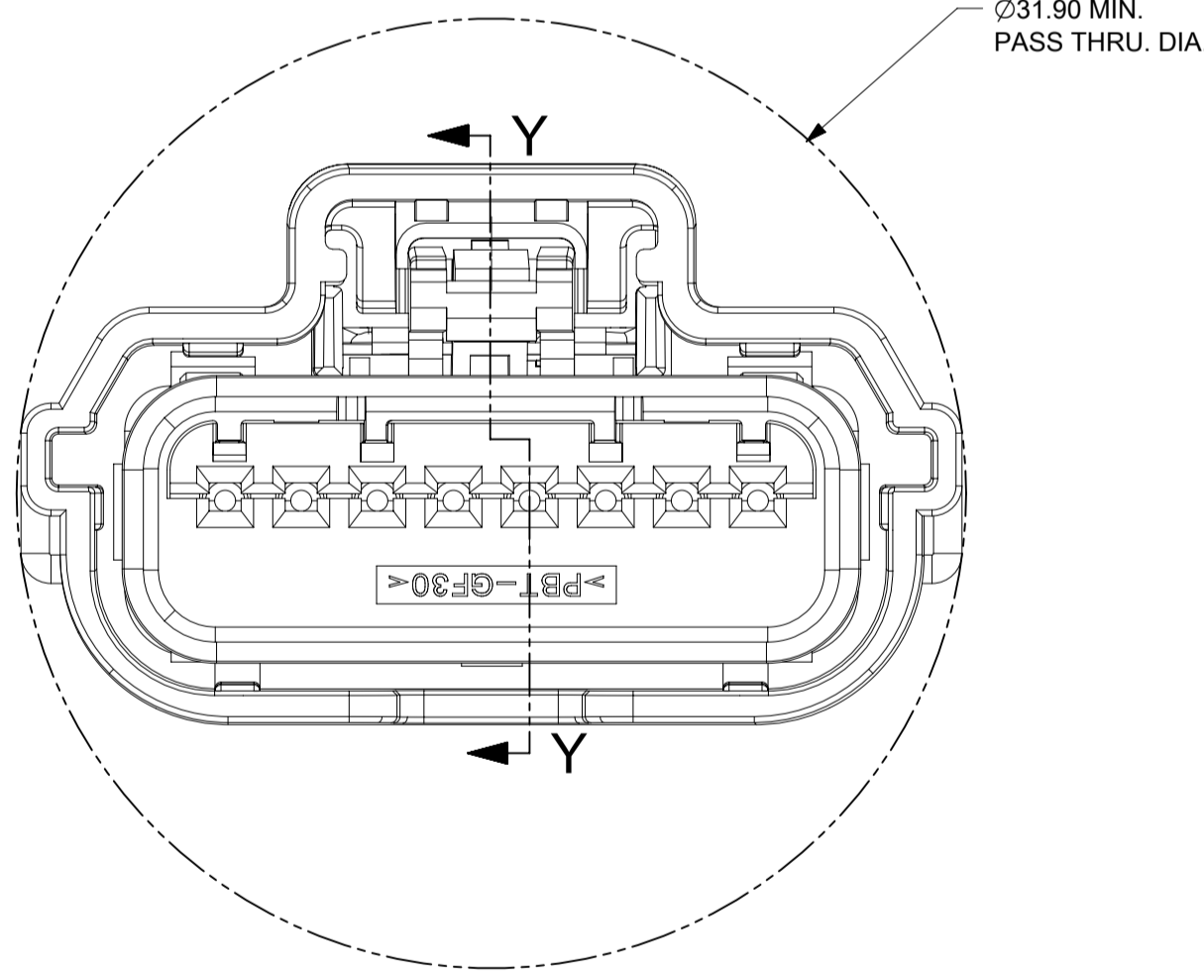


DATE CODE
SEE NOTE 3-b

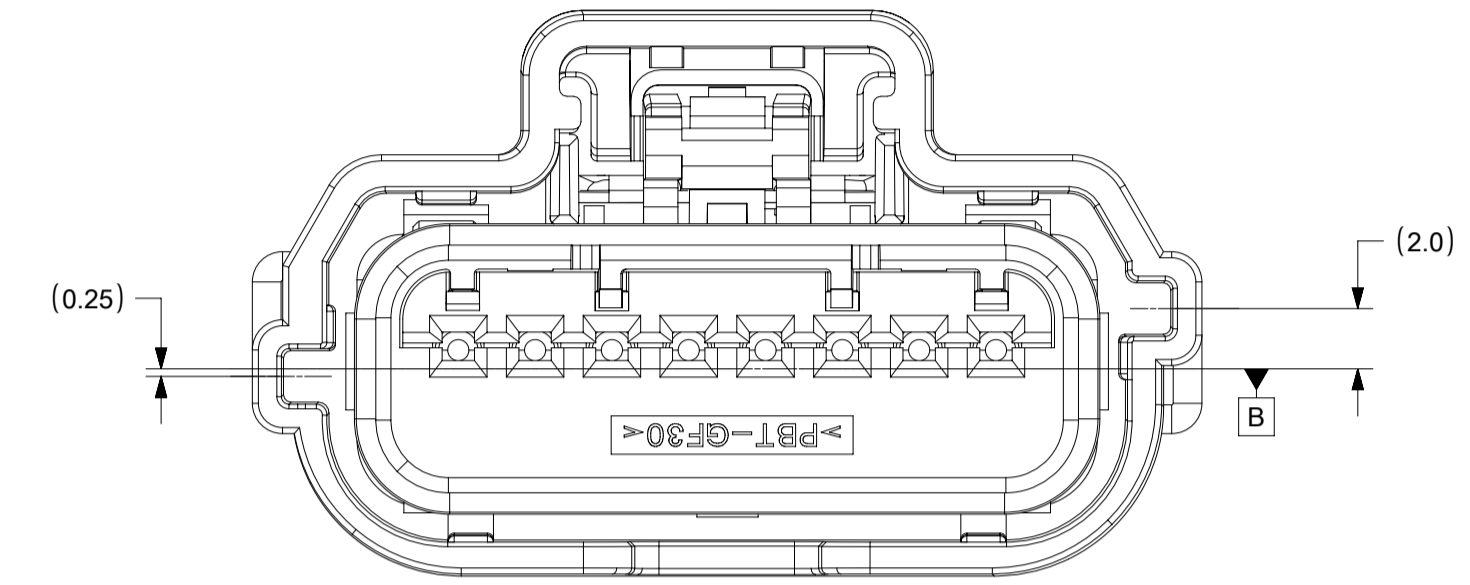
MOLEX P/N



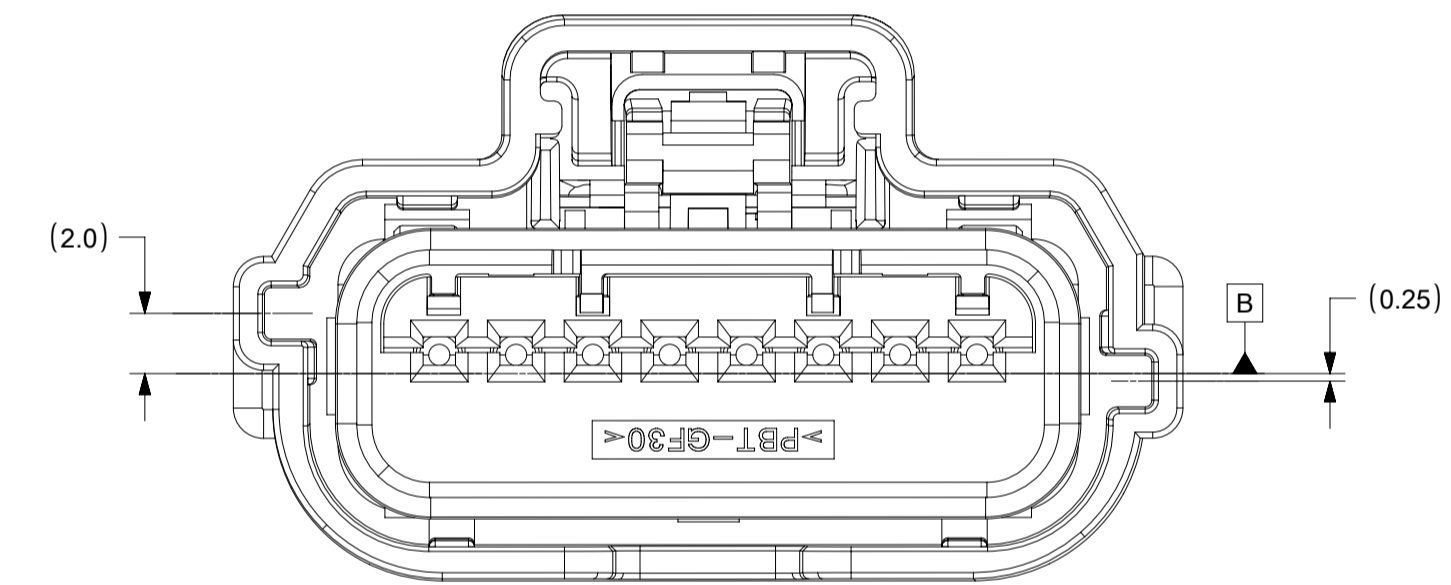
LASER MARKING APPLIED
TO THIS SURFACE



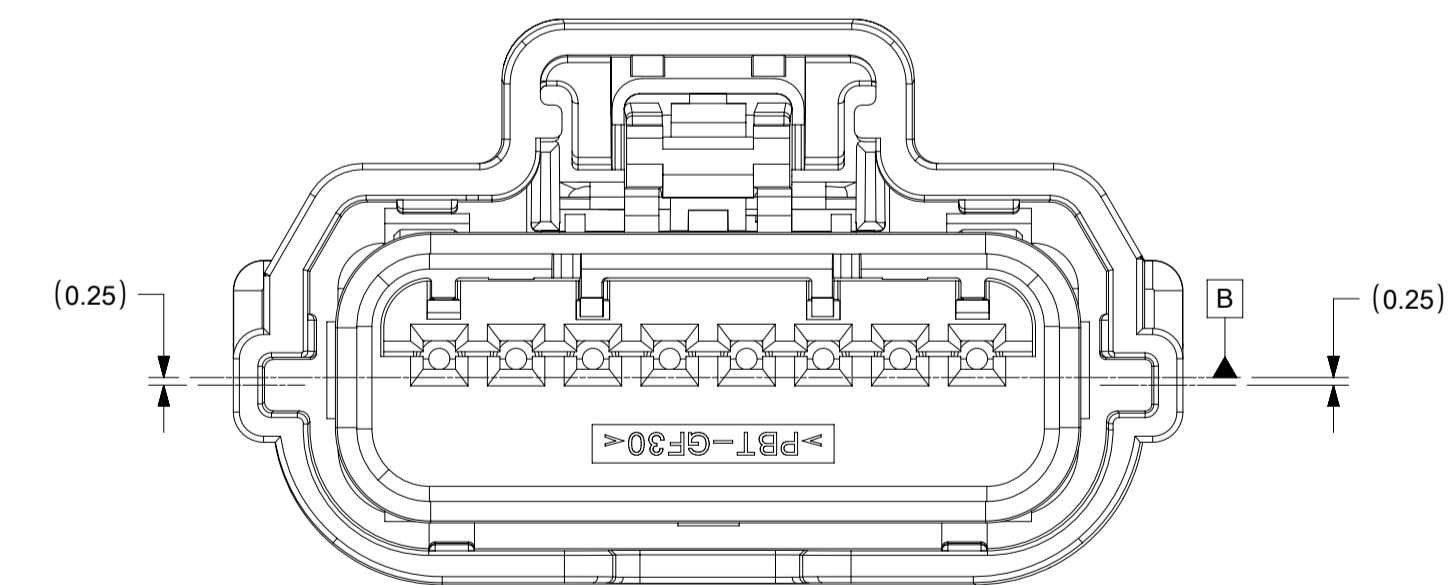
POLARIZATION A



POLARIZATION B



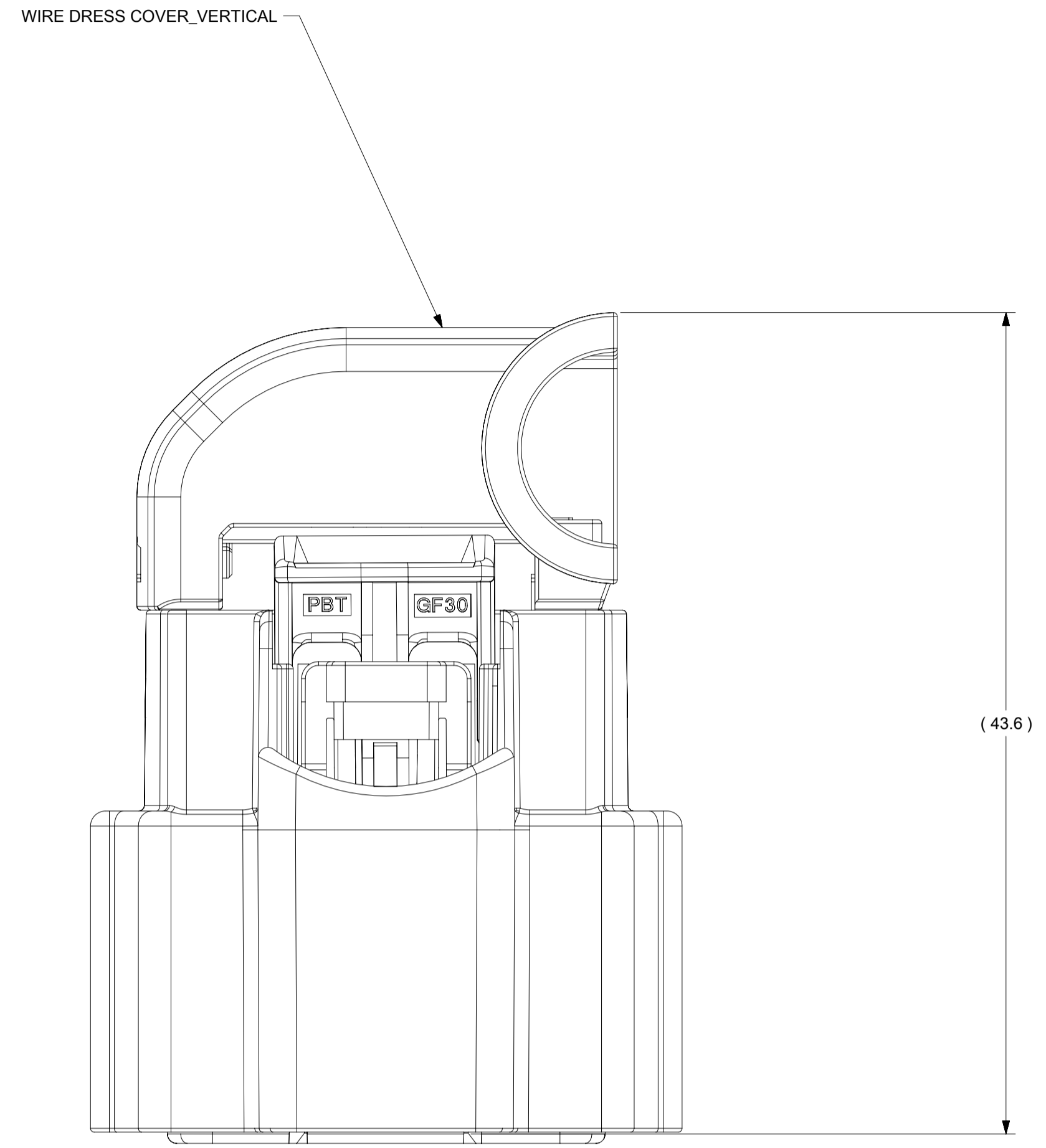
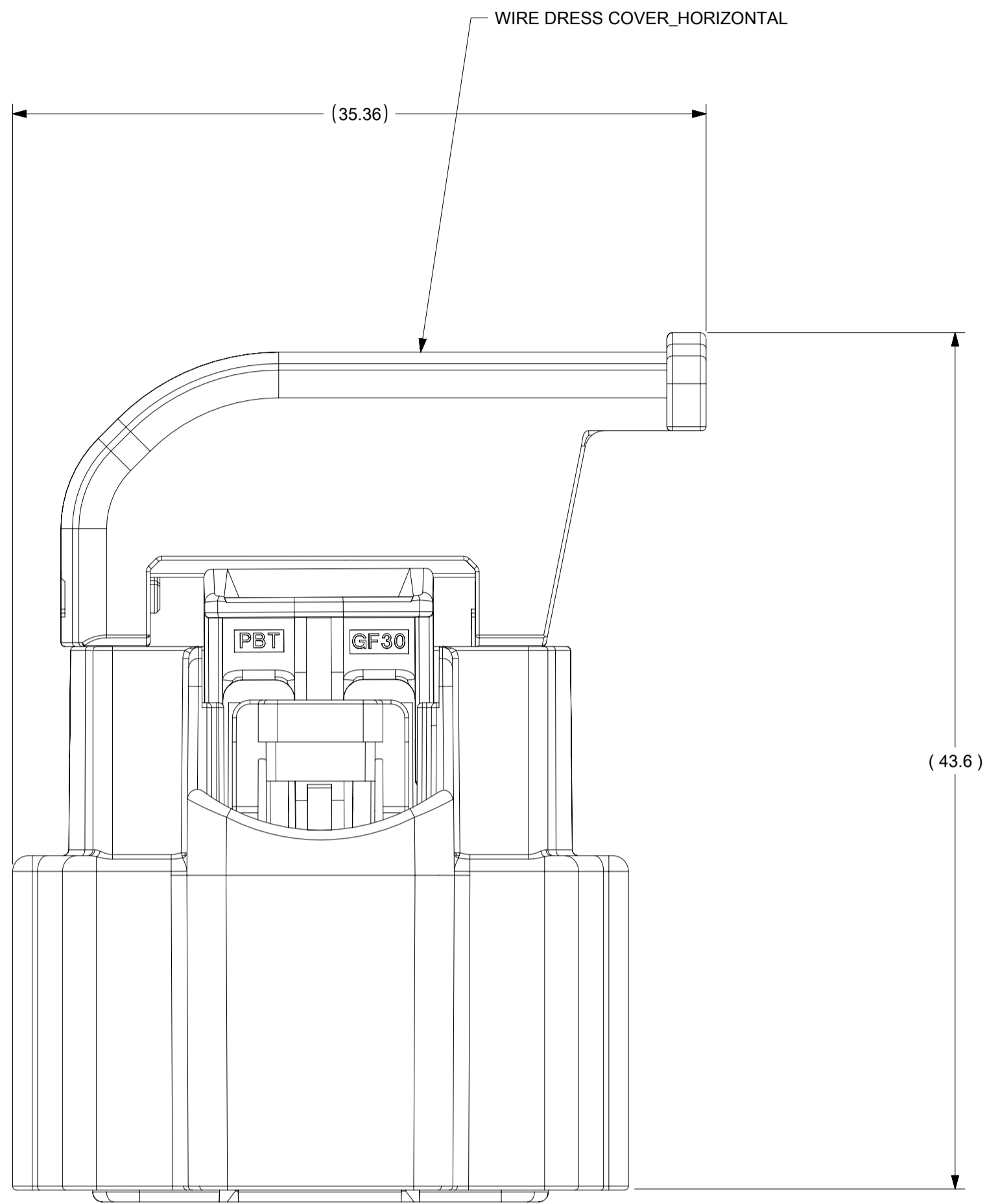
POLARIZATION C



POLARIZATION D

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:				
	DIMENSION UNITS	SCALE					
▽ = 0	mm	4:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: CDZHANG	2020/08/12	PRODUCT CUSTOMER DRAWING
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▽ = 0	3 PLACES ±		2 PLACES ± 0.13		INITIAL REVISION:		DOCUMENT NUMBER
▽ = 0	2 PLACES ±		1 PLACE ± 0.25		DRWN: GLI04		
▽ = 0	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: DC_LISLE		SD-31404-811
⊕	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	
▽ = 0	THIRD ANGLE PROJECTION	A1-SIZE	31404	GENERAL MARKET		G6	3 OF 4

SHEET DESCRIPTION
WIRE DRESS COVER ASSEMBLY



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 1.0°		
▽ = 0	4 PLACES	±	INITIAL REVISION: DRWN: GLI04 2014/06/12 APPR: DC_LISLE 2014/07/28
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	± 0.13	DOCUMENT NUMBER SD-31404-811
▽ = 0	1 PLACE	± 0.25	
▽ = 0	0 PLACES	±	DOC TYPE DOC PART REVISION PSD 001 G6
☒ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NUMBER
⊕	THIRD ANGLE PROJECTION	DRAWING	CUSTOMER
		A1-SIZE	SHEET NUMBER
		31404	GENERAL MARKET
			4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/21 02:23:05
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