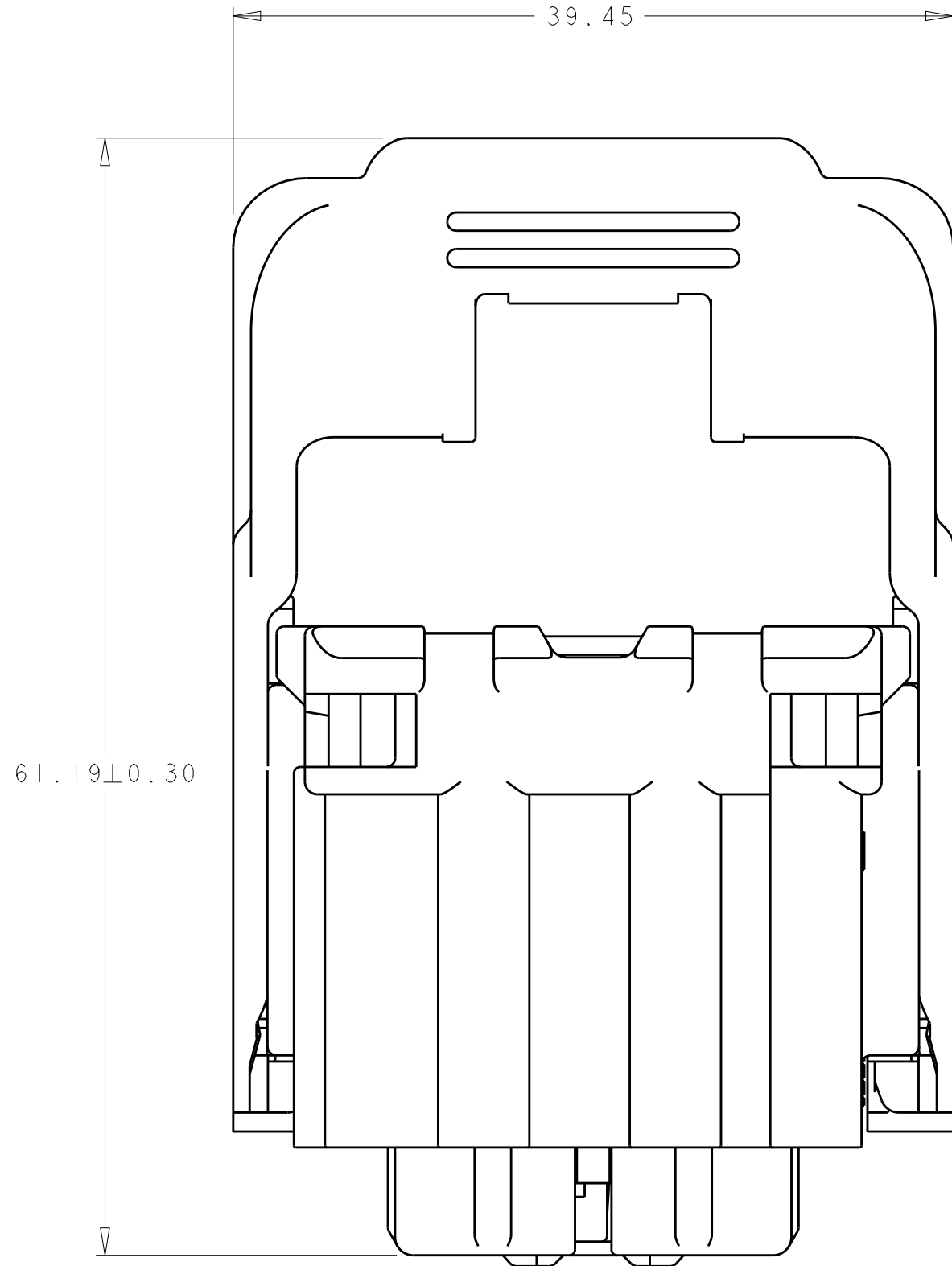
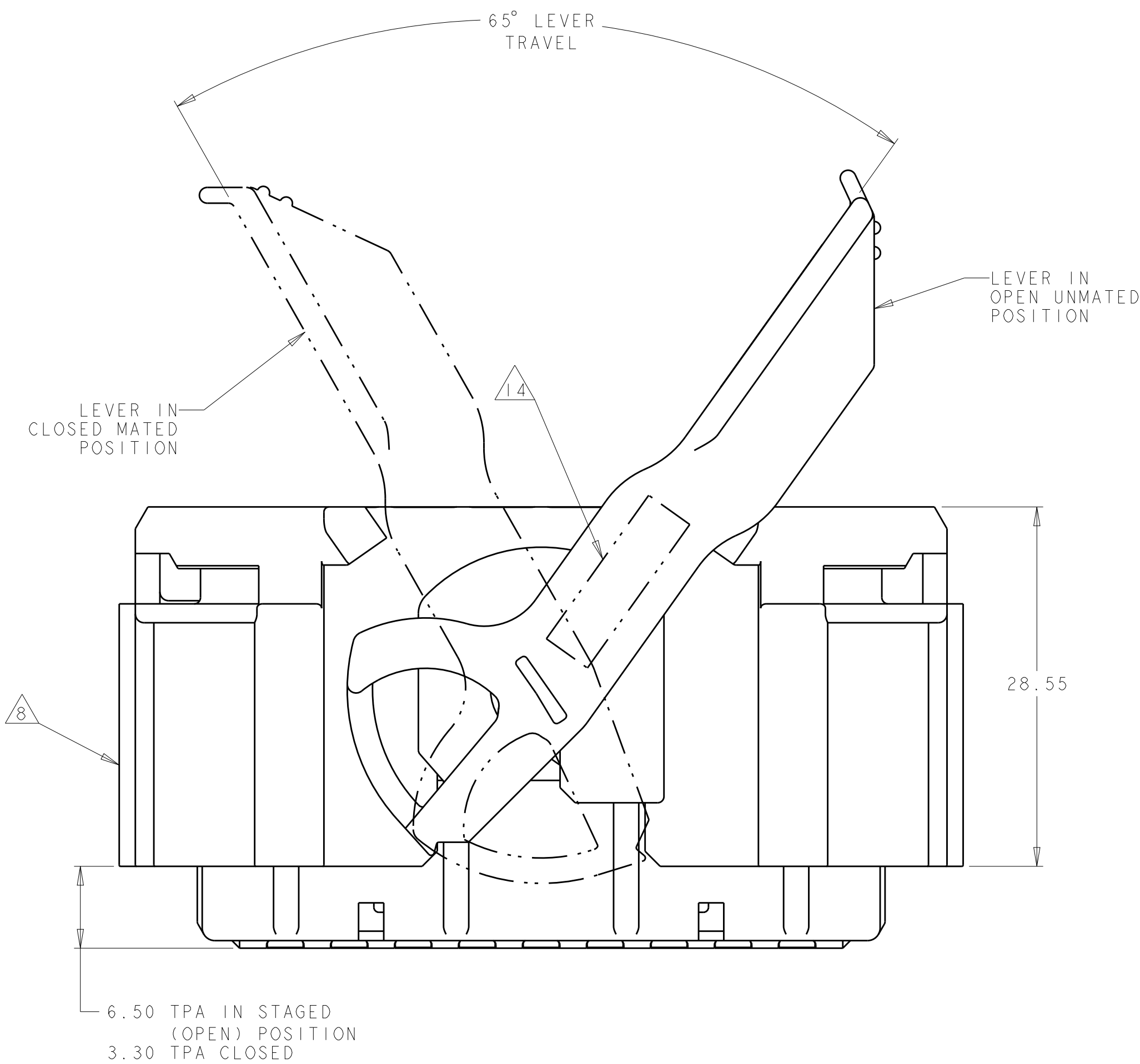


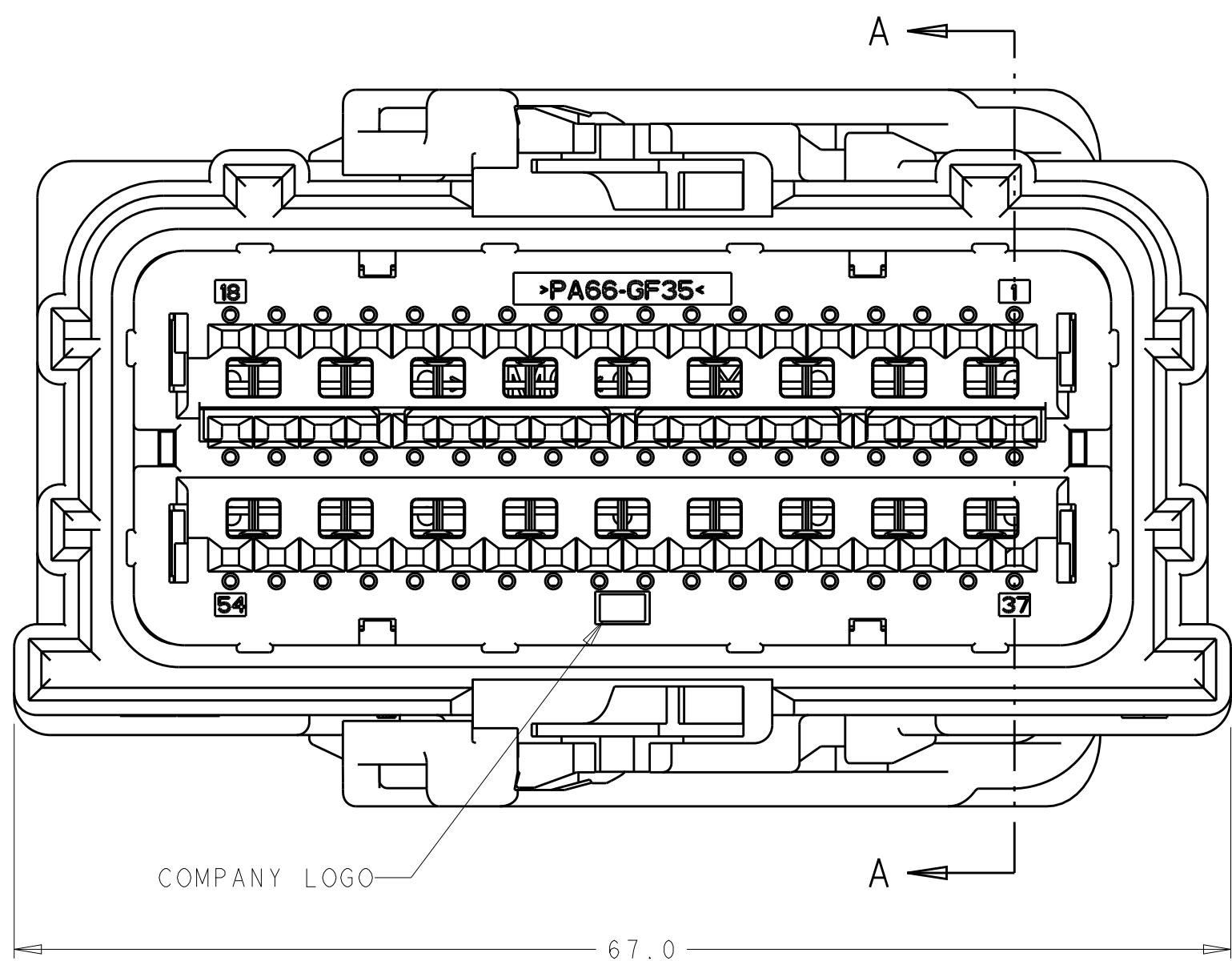
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
B10		REVISED PER ECO-18-008115	24MAY2018	JMS	GM
B11		REVISED PER ECO-18-010459	02JUL2018	JMS	GM
B12		REVISED PER ECO-19-001038	22JAN2019	JMS	GM
B13		REVISED PER ECO-19-014660	26SEP2019	JMS	WW

D

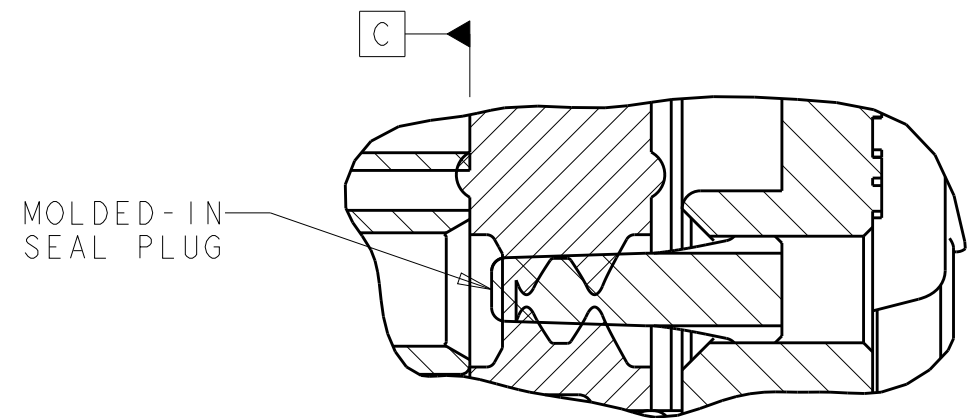


C

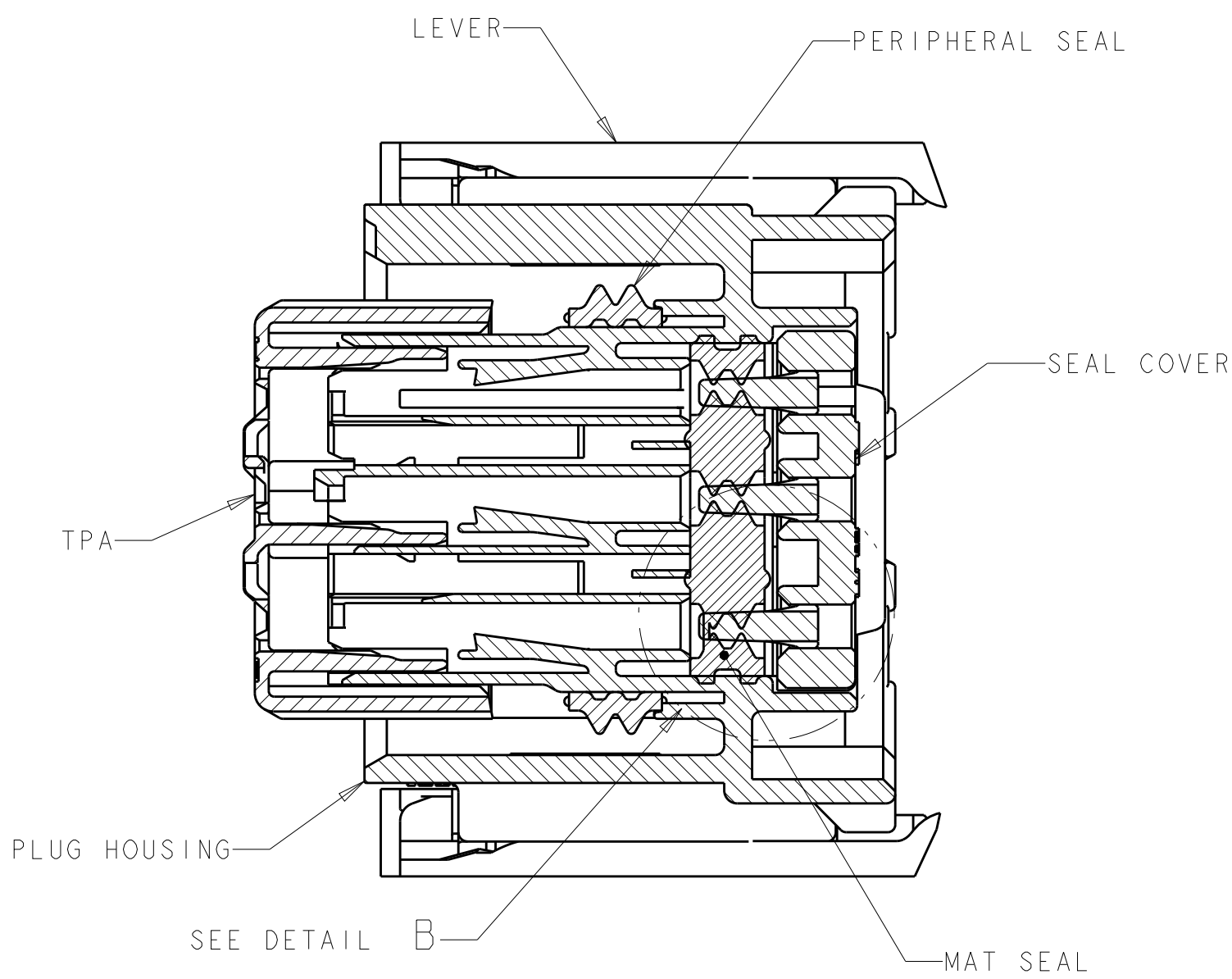
B



A

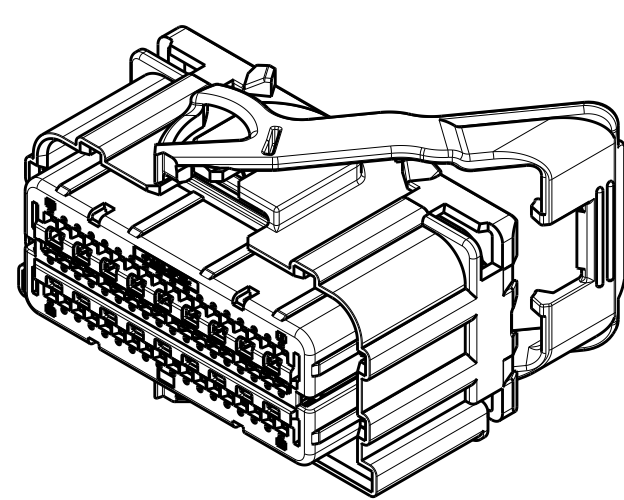


DETAIL B
SCALE 6:1

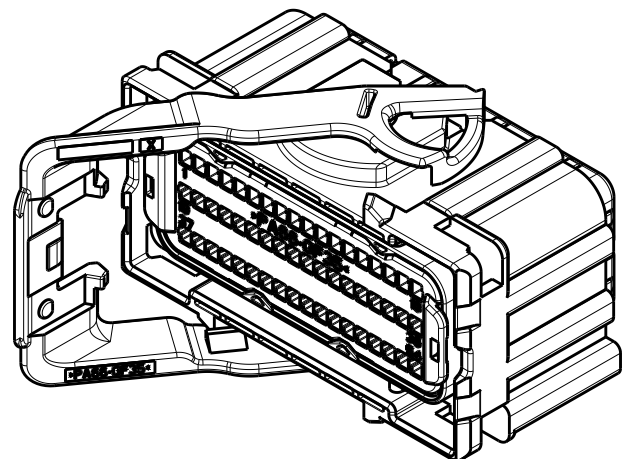


SECTION A-A

- 1 MATERIAL: PLUG HOUSING - NYLON 6/6, 35% GLASS-FILLED, YELLOW
TPA - NYLON 6/6, 35% GLASS-FILLED, BLACK
PERIPHERAL SEAL - SILICONE, LIGHT BLUE
MAT SEAL - SILICONE, LIGHT BLUE
LEVER - NYLON 6/6, 35% GLASS-FILLED, GRAY
SEAL COVER - NYLON 6/6, 35% GLASS-FILLED, BLACK
2. APPLICABLE HEADER INTERFACE SPECIFICATION - SEE LAST 2 SHEETS.
3. WIRE DRESS, PART NUMBER 2035024-2, TO BE PURCHASED SEPARATELY.
4. INSTRUCTION SHEET PER TE SPECIFICATION 408-10334.
5. THIS PRODUCT HAS BEEN VALIDATED FOR USE WITH THE FOLLOWING TERMINAL PART NUMBERS AND WIRE SIZES:
TE, GENERATION Y, (SILVER PLATED) TERMINAL P/N 2138699-1, GM P/N tbd
REF. TERMINAL APPLICATION SPECIFICATION 114-13183
WIRE RANGE 0.35 - 0.5mm²
WIRE INSULATION RANGE: 1.5 to 1.7mm (OUTER DIAMETER)
ALSO, WIRE SIZE: 0.75mm² IN 2 CIRCUITS MAXIMUM WITH WIRE INSULATION OUTER DIAMETER 1.70 to 1.90mm. USE TE TERMINAL P/N 2138699-2, GM P/N tbd
ALSO, GM APPROVED, GMW15626, ISO WIRE, 0.35mm² WIRE SIZE, 1.2mm to 1.4mm WIRE INSULATION OUTER DIAMETER.
- THE 2138699-1, -2 TE CONNECTIVITY TERMINALS ARE GM APPROVED PER GM CONNECTOR GROUP CONNECTOR CHANGE NOTIFICATION BULLETIN #7, TE TERMINALS FOR SDM CONNECTOR, DATED MARCH 26, 2013.
- 6 KEY CONFIGURATION "E" IS FOR GM SERVICE ONLY.
- 7 NOTE REMOVED
- 8 TE PART NUMBER AND JULIAN DATE CODE (YY-DDD-HH-MM) ON THIS SIDE. OPTIONAL MANUAL ASSEMBLY CHARACTER AFTER DATE CODE.
9. FOR BLOCKED CIRCUITS FOR SERVICE, PROTOTYPE, AND PRODUCTION APPLICATIONS, USE ONLY TE INDIVIDUAL SEAL PLUG P/N 1456538-1.
- 10 FOR BLOCKED CIRCUITS REQUIRED IN PRODUCTION APPLICATIONS, REFER TO EXISTING CIRCUIT CONFIGURATIONS (SEE SHEET 4 & 5).
11. CONNECTOR MEETS GMW3191, CLASS 1, ENVIRONMENTAL, ELECTRICAL, MECHANICAL, AND SEALING CLASS (2) "SEALING" TEST PER GM APPROVED/SIGNED TEST PLANS.
12. FOR SILVER PLATED TERMINALS, ELECTRICAL PERFORMANCE IS NOT AFFECTED BY DISCOLORATION OR TARNISH ON SURFACE.
13. NOTE REMOVED.
- 14 ALTERNATE MARKING FOR MANUAL ASSEMBLY. MARK TE PART NUMBER, JULIAN DATE, AND KEY ON LEVER APPROXIMATELY AS SHOWN. (YYDDD K) Y=YEAR, D=DAY, K=KEY



SCALE 1:1



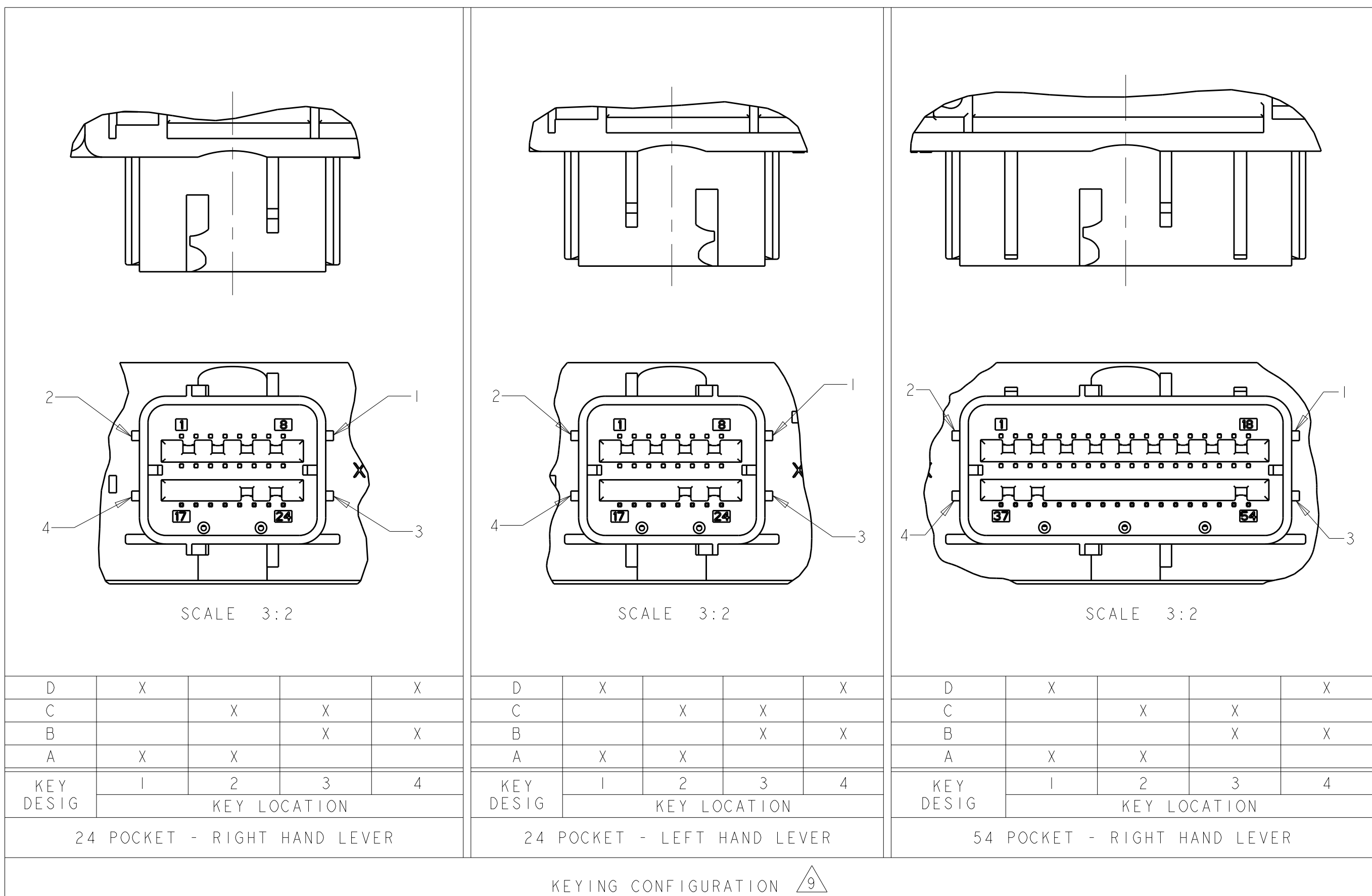
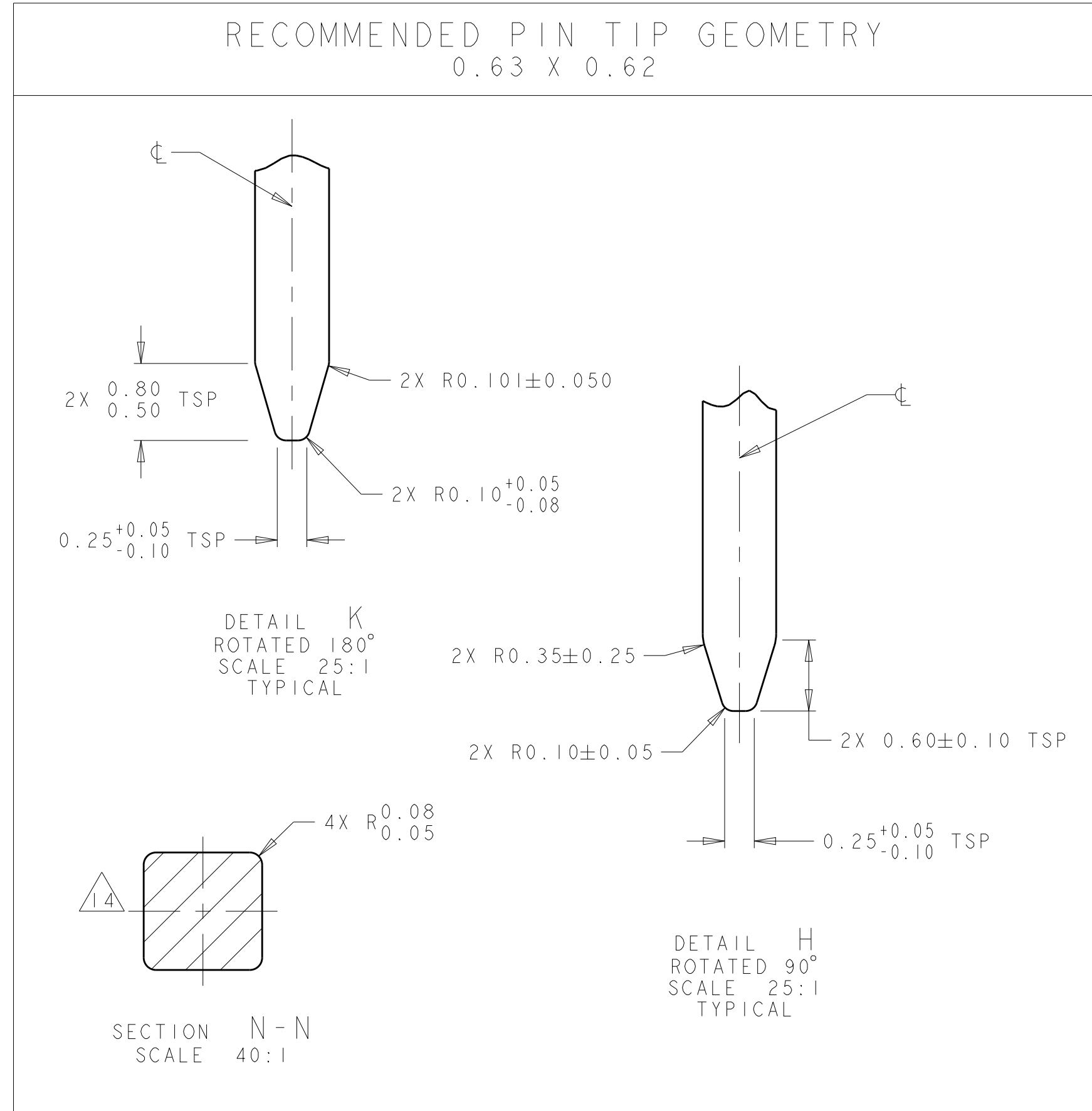
SCALE 1:1

SEE SHEET 3 FOR KEYING CONFIGURATIONS,
AND SHEET 3 & 4 FOR CIRCUIT CONFIGURATIONS

SEE SHEET 2

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DL DRUMMOND 14JUN2010	 TE Connectivity				
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.3 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±° FINISH	CHK GENE MILLER 14JUN2010					
		APVD GENE MILLER 14JUN2010					
		PRODUCT SPEC					
NAME PLUG ASSEMBLY, SEALED, 54 POSITION, SDM, RIGHT-HAND LEVER (NO SHUNTS)							
MATERIAL		APPLICATION SPEC	SIZE A	CAGE CODE 00779C	DRAWING NO 2098922	RESTRICTED TO	
WEIGHT -		SCALE 3:1					
CUSTOMER DRAWING		SHEET 1 OF 5					



- NOTES: UNLESS OTHERWISE SPECIFIED
- THIS AREA, ALL AROUND, IS A SEALING SURFACE. NO WITNESS LINES OR DAMAGE PERMITTED.
 - SAME GEAR AND PRE-LOCK DIMENSIONS APPLY IN RIGHT HAND VERSUS LEFT HAND ORIENTATIONS. THIS GEOMETRY IS SIMPLY A MIRROR IMAGE.
 - VENT HOLES SIZE AND LOCATION OPTIONAL.
 - GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)
± 0.2 - ALL ONE PLACE DIMENSIONS
± 0.10 - ALL TWO PLACE DIMENSIONS
± 1° - ALL ANGULAR PLACE DIMENSIONS
 - DRAFT ANGLE PERMISSIBLE WITHIN PRINT TOLERANCES.
 - HOUSING AND PIN PLATING MATERIALS SELECTION BASED ON END APPLICATION AND SOLDERING PROCESS. REFERENCE HOUSING MATERIAL POLYESTER (PBT)-30% GLASS AND PHOSPHOR BRONZE, CS11 PIN TESTED TO: USCAR2, REV4, CLASS 1, 85°C MAX AMBIENT AND GM W3191, CLASS 1.
 - ALL UNMARKED RADIUS TO BE 0.5 MAX UNLESS OTHERWISE SPECIFIED.
 - TERMINAL POSITION IDENTIFICATION.
 - MATES WITH TE CONNECTIVITY (TE) PLUG ASSEMBLIES:

24 WAY - LEFT HAND LEVER TE P/N x-2098923-x
24 WAY - RIGHT HAND LEVER TE P/N x-2098924-x
54 WAY - RIGHT HAND LEVER TE P/N x-2098922-x
 - THIS AREA TO REMAIN CLEAR FOR THE HARNESS ASSEMBLY.
 - PART TO BE FREE OF CONTAMINATION THAT MAY AFFECT FUNCTION OF PART.
 - DIMENSION TO BE MEASURED 2.5 - 6.5 FROM TOP OF CONNECTOR SHROUD.
 - ALL KEYS SHOWN, SEE TABLE "KEYING CONFIGURATION" REQUIREMENT AND KEY OPTIONS.
 - MATING END OF PIN TO BE FREE OF SHARP EDGES AND BURRS.
 - FEMALE TERMINAL MATING AREA FOR SILVER PLATED APPLICATIONS, REF USCAR2, REV4, CLASS 1, 85°C MAX AMBIENT. 2 TO 4µm THICK SILVER OVER 2.0µm MIN THICK NICKEL UNDERPLATE ALL OVER.

