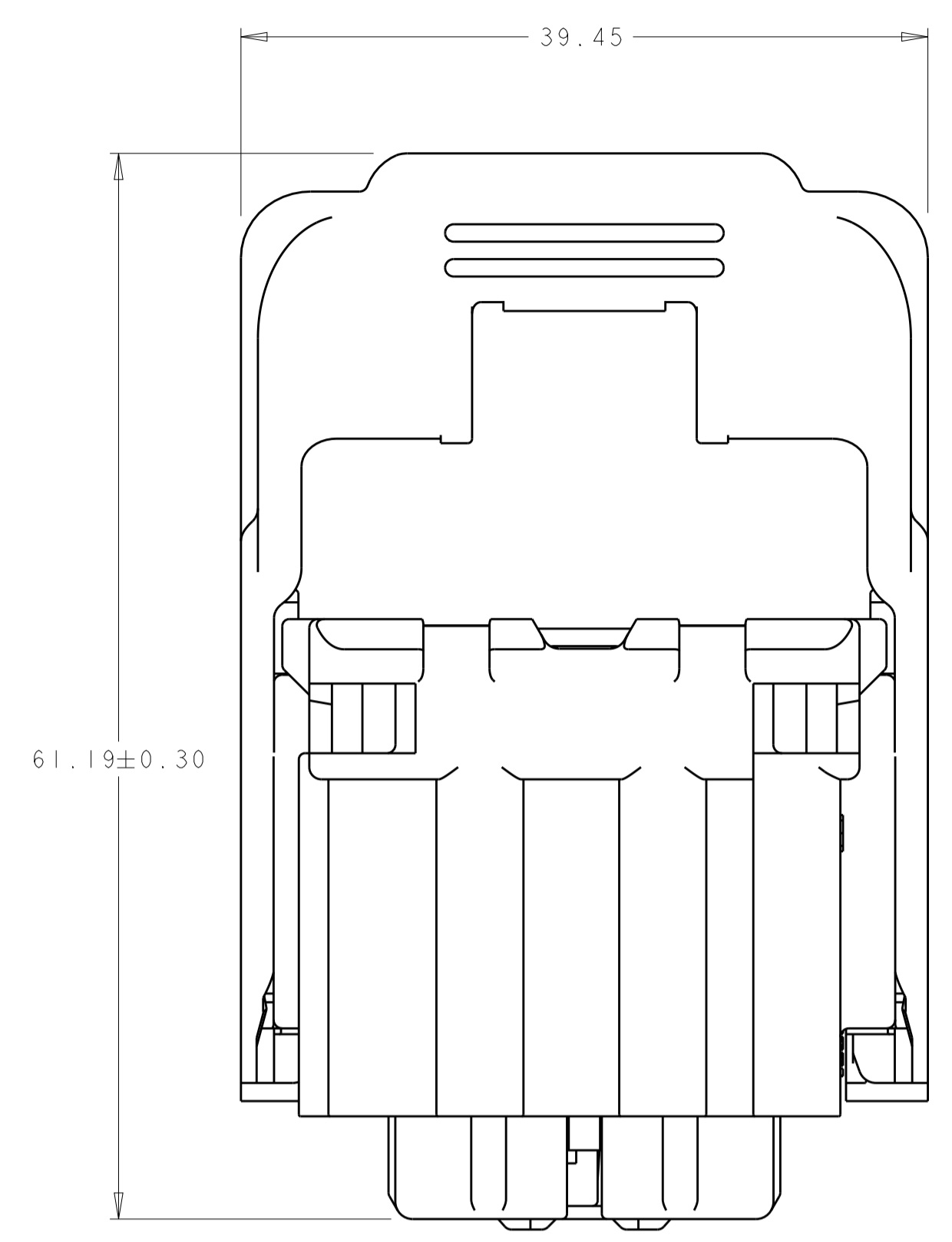
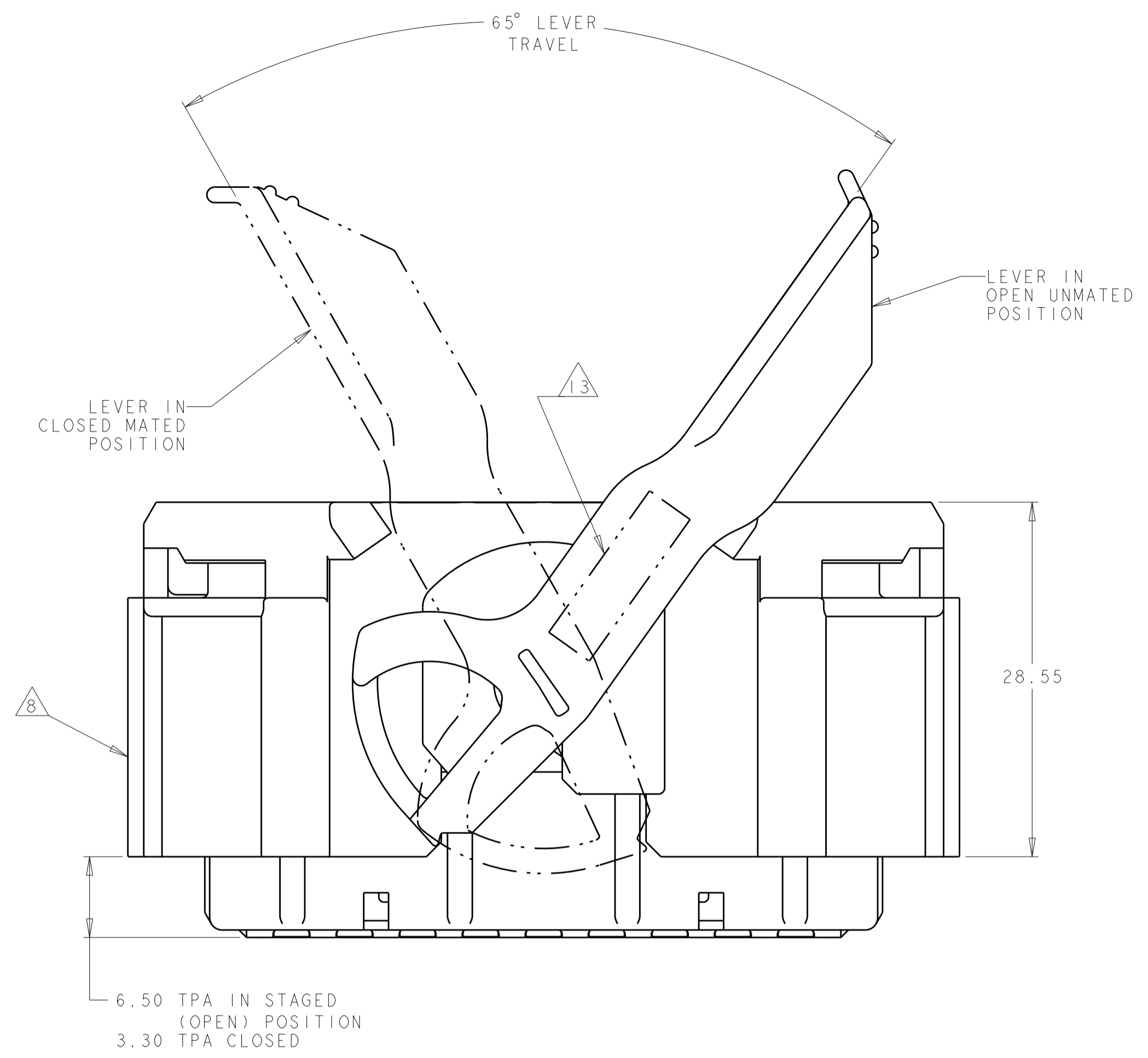
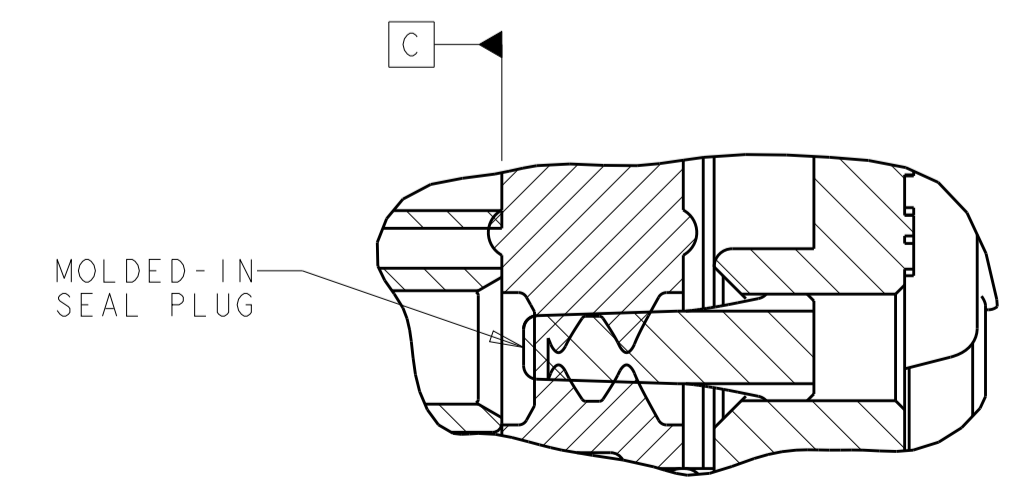
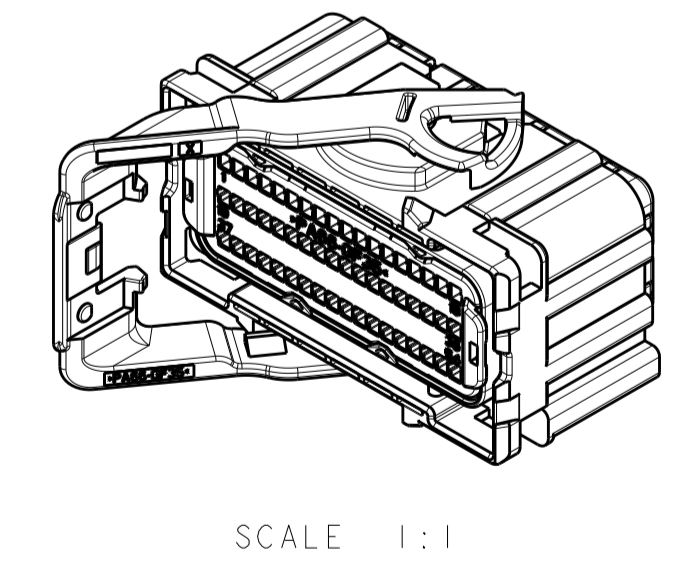
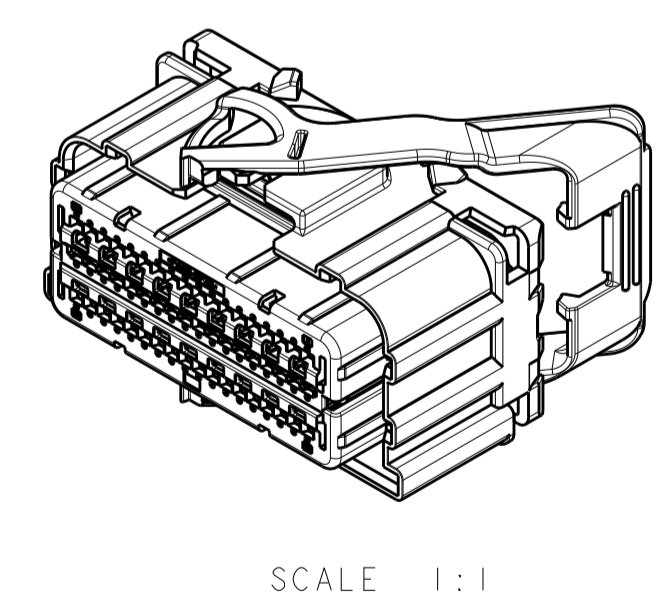
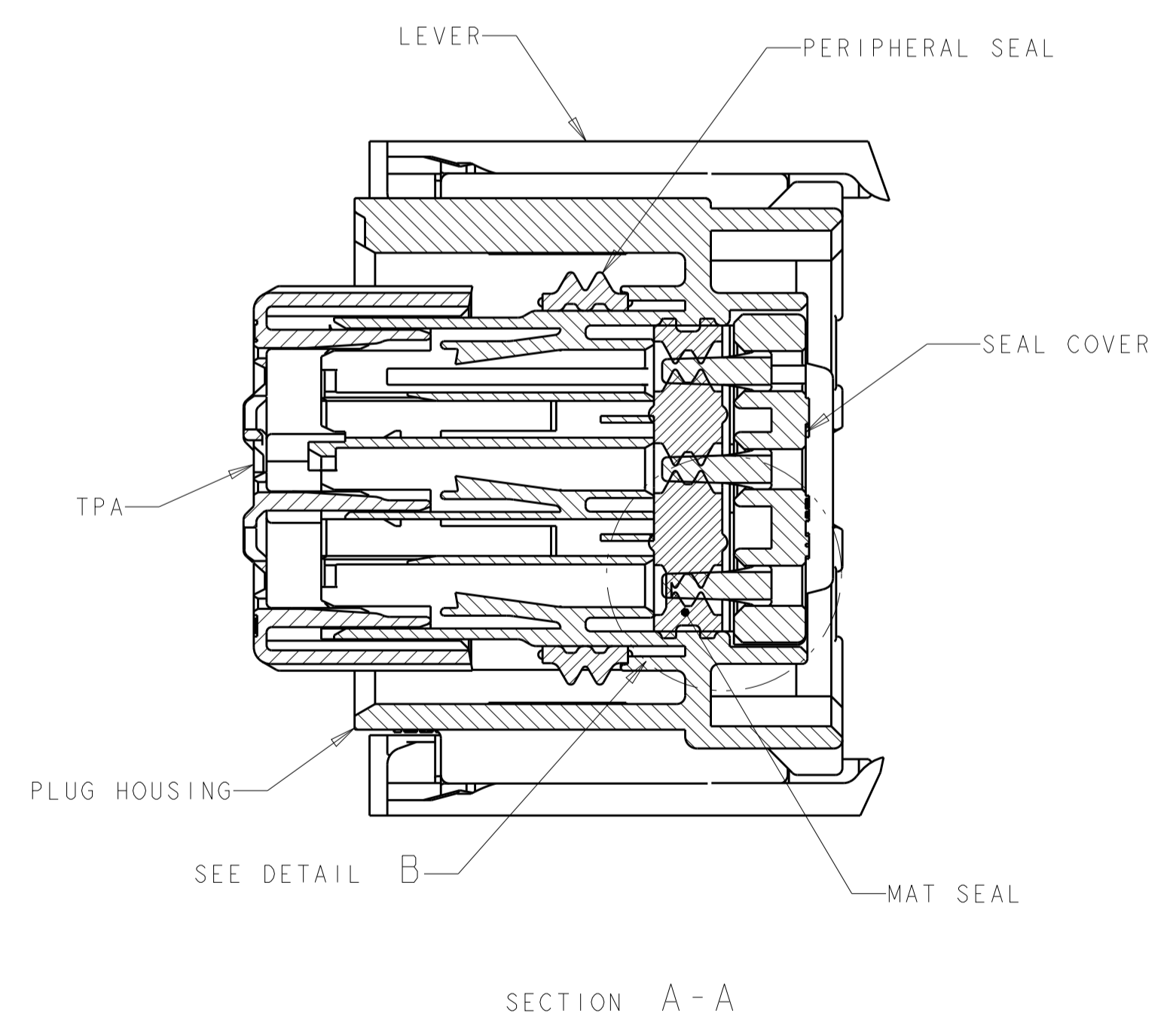
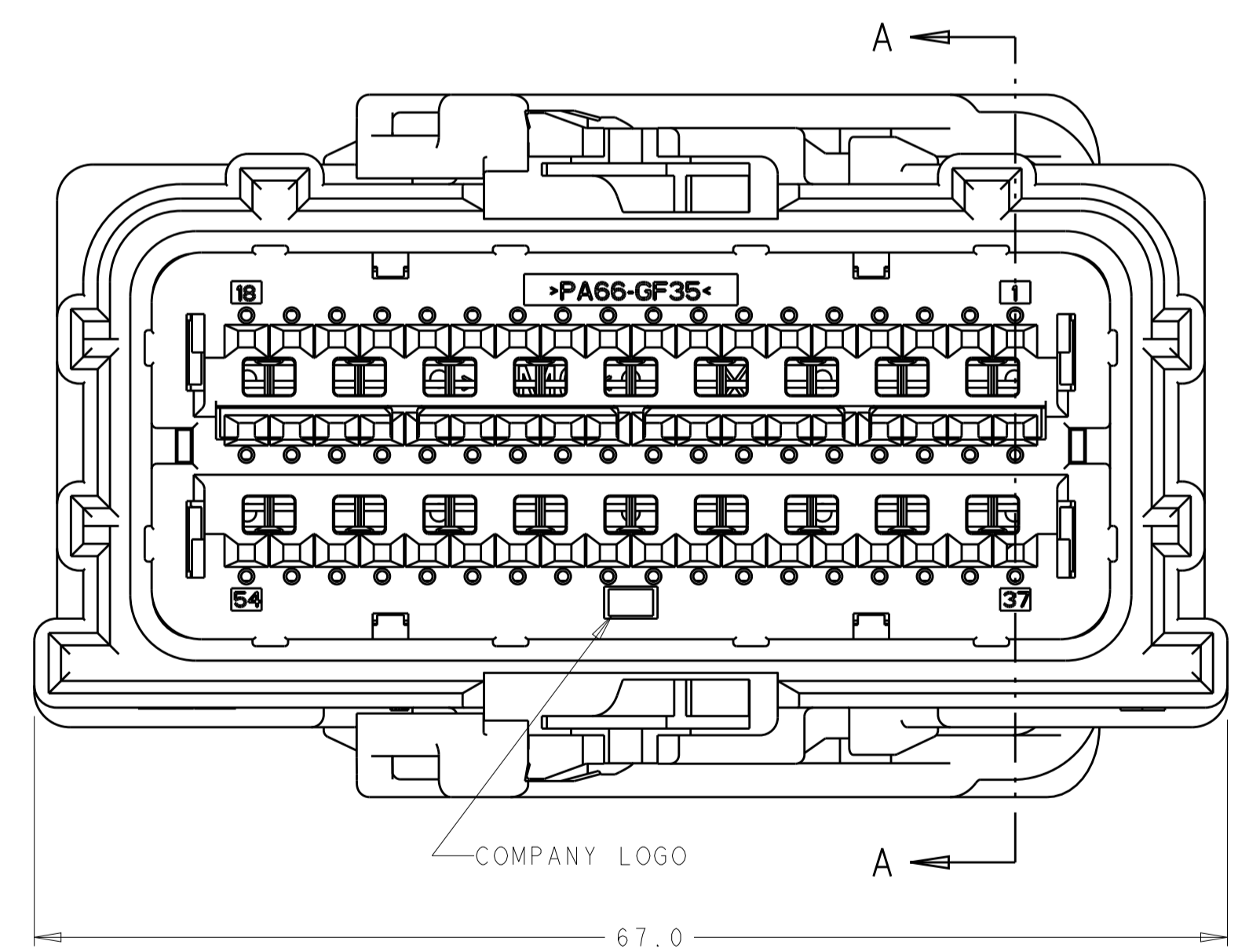


REVISIONS					
P	LTN	DESCRIPTION	DATE	DMN	APVD
A9		REVISED PER ECO-17-009506	29JUN2017	DLD	WEM
A10		REVISED PER ECO-19-001038	22JAN2019	JMS	GM
A11		REVISED PER ECO-19-011570	30JUL2019	JMS	WW



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, TAN
 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 CONNECTIVITY (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.

6. THE 2138699-1, -2 TE TERMINALS ARE GM APPROVED PER GM CONNECTOR GROUP CONNECTOR CHANGE NOTIFICATION BULLETIN #7, TE TERMINALS FOR SDM CONNECTOR, DATED MARCH 26, 2013.
7. KEY CONFIGURATION "E" IS FOR GM SERVICE ONLY.
8. PRELIMINARY - PART NOT RELEASED TO PRODUCTION.
9. TE PART NUMBER AND JULIAN DATE CODE (YY-DDD-HH-MM) ON THIS SIDE. OPTIONAL MANUAL ASSEMBLY CHARACTER AFTER DATE CODE.
10. FOR BLOCKED CIRCUITS FOR SERVICE, PROTOTYPE, AND PRODUCTION APPLICATIONS, USE ONLY TE INDIVIDUAL SEAL PLUG P/N 1456538-1.
11. FOR BLOCKED CIRCUITS REQUIRED IN PRODUCTION APPLICATIONS, REFER TO EXISTING CIRCUIT CONFIGURATIONS (SEE SHEET 2).
12. CONNECTOR MEETS GMW3191, CLASS 1, ENVIRONMENTAL, ELECTRICAL, MECHANICAL, AND SEALING CLASS (2) "SEALING" TEST PER GM APPROVED/SIGNED TEST PLANS.
13. FOR SILVER PLATED TERMINALS, ELECTRICAL PERFORMANCE IS NOT AFFECTED BY DISCOLORATION OR TARNISH ON SURFACE.
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



DETAIL B
SCALE 6:1

SEE SHEET 2 FOR KEYING CONFIGURATIONS, AND CIRCUIT CONFIGURATIONS

SEE SHEET 2
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN DL DRUMMOND 19NOV2012	TE Connectivity	
DIMENSIONS:		CHK GENE MILLER 19NOV2012		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD GENE MILLER 19NOV2012		
mm	0 PLC ±	PRODUCT SPEC	NAME PLUG ASSEMBLY, SEALED, 54 POSITION, SDM30, RIGHT-HAND LEVER (NO SHUNTS)	
	1 PLC ±0.3	APPLICATION SPEC	SIZE	CAGE CODE
	2 PLC ±0.2	WEIGHT	A100779	C=2203515
	3 PLC ±	CUSTOMER DRAWING	SCALE 3:1	SHEET 1 OF 4
	4 PLC ±			REV A11
	ANGLES ±			
	FINISH			

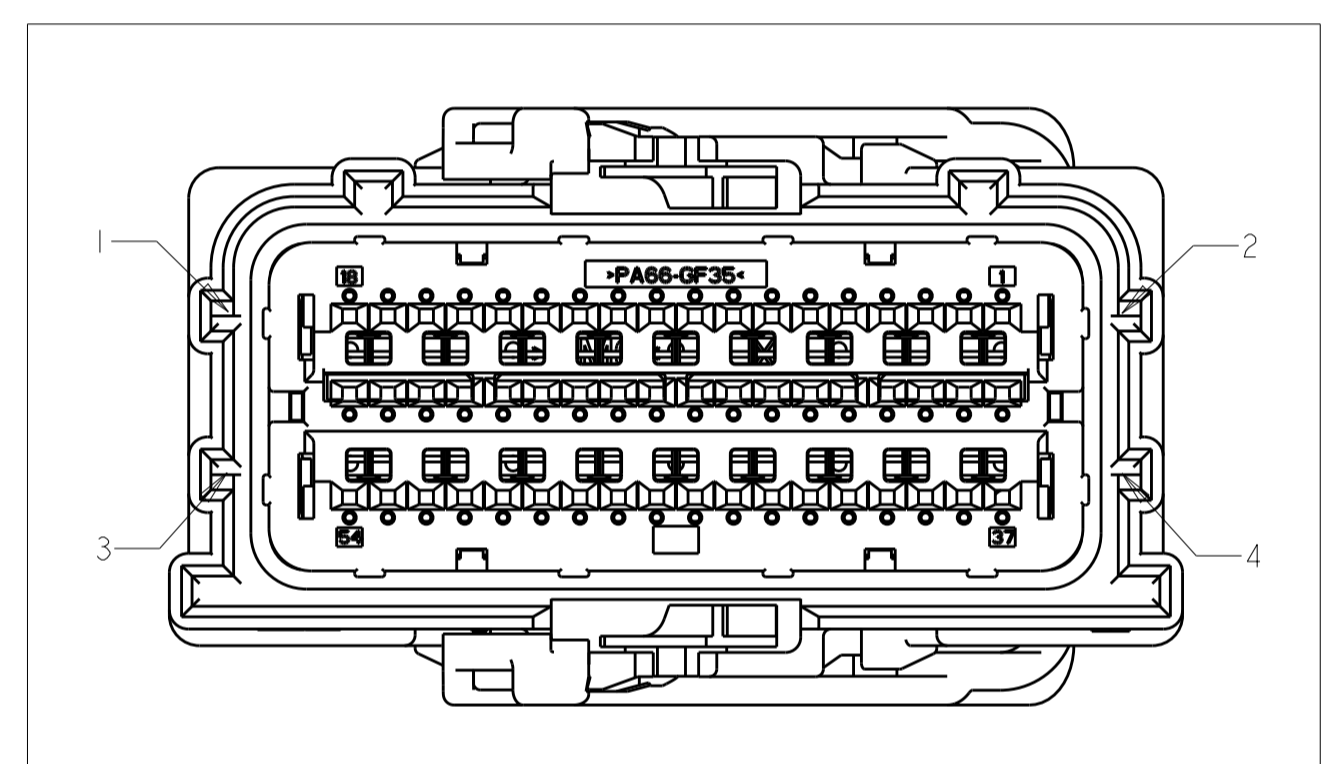
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REVISIONS				
P.	LTN.	DESCRIPTION	DATE	APVD.
-	-	SEE SHEET 1	-	-

	A2LL	TBD	C82	D	I-2203515-8
	CIYC/CIYB	I3589171	C78	D	I-2203515-7
	D2UB-S CHINA	TBD	C77	B	I-2203515-6
	E2LB, G2KcZ	TBD	C76	D	I-2203515-5
	D2UB	I3599828	C75	D	I-2203515-4
	GM E2XX BODY HARNESS	I3599827	C74	D	I-2203515-3
		I3592961	C3	B	I-2203515-2
	ATS, CTS, XTS, VOLT, AMPERA, ELR, D2JO, D2WO, and some M2XX	I3592960	C72	D	I-2203515-1
	DISC CHEVY CRUZE	I3592958	C70	D	I-2203515-0
	GM SERVICE USE	TBD	C5	"E" UNIVERSAL GM SERVICE ONLY	2203515-5 ⁶
		I3589171	C5	D	2203515-4
		TBD	C5	C	2203515-3 ⁷
		TBD	C5	B	2203515-2 ⁷
		TBD	C5	A	2203515-1 ⁷
	VEHICLE PLATFORM/ MODEL YEAR	GM PART NUMBER	AVAILABLE CIRCUIT CONFIGURATION	KEYING CONFIGURATION	PART NUMBER

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C82									X	X				X	X	X	X	
C78	X	X	X	X	X	X	X	X										
C77	X	X	X	X	X	X	X	X										
C76									X	X								
C75	X	X		X	X									X	X			
C74	X	X	X	X										X	X	X	X	X
C72				X	X	X	X							X	X	X	X	X
C70	X	X	X	X										X	X	X	X	X
C66	X	X	X	X	X	X	X	X						X	X	X	X	X
C5																		
C3	X	X	X	X	X	X	X	X						X	X	X	X	X

CIRCUIT CONFIGURATION ⁶
 [X] INDICATES UNAVAILABLE (BLOCKED) CIRCUIT



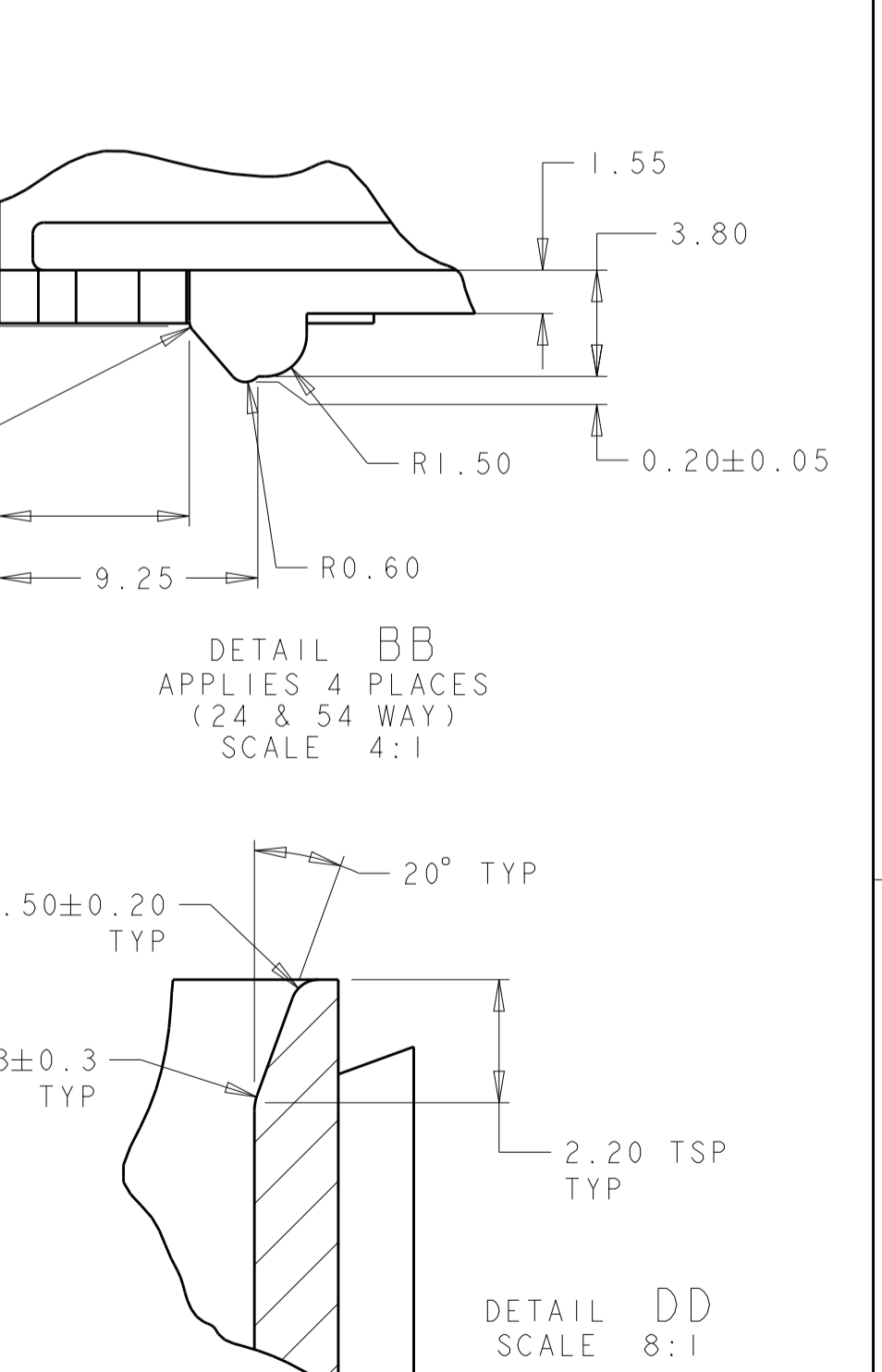
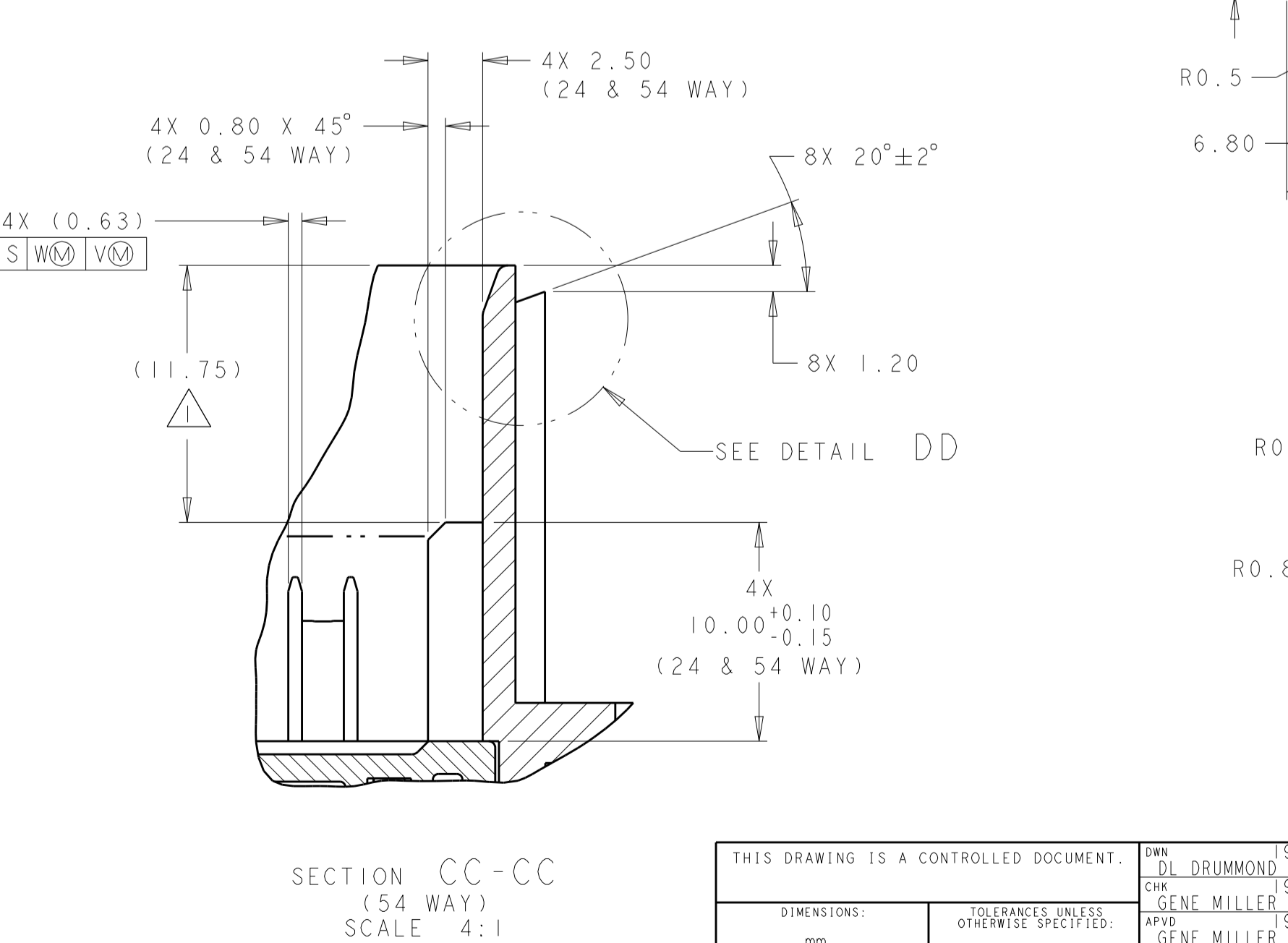
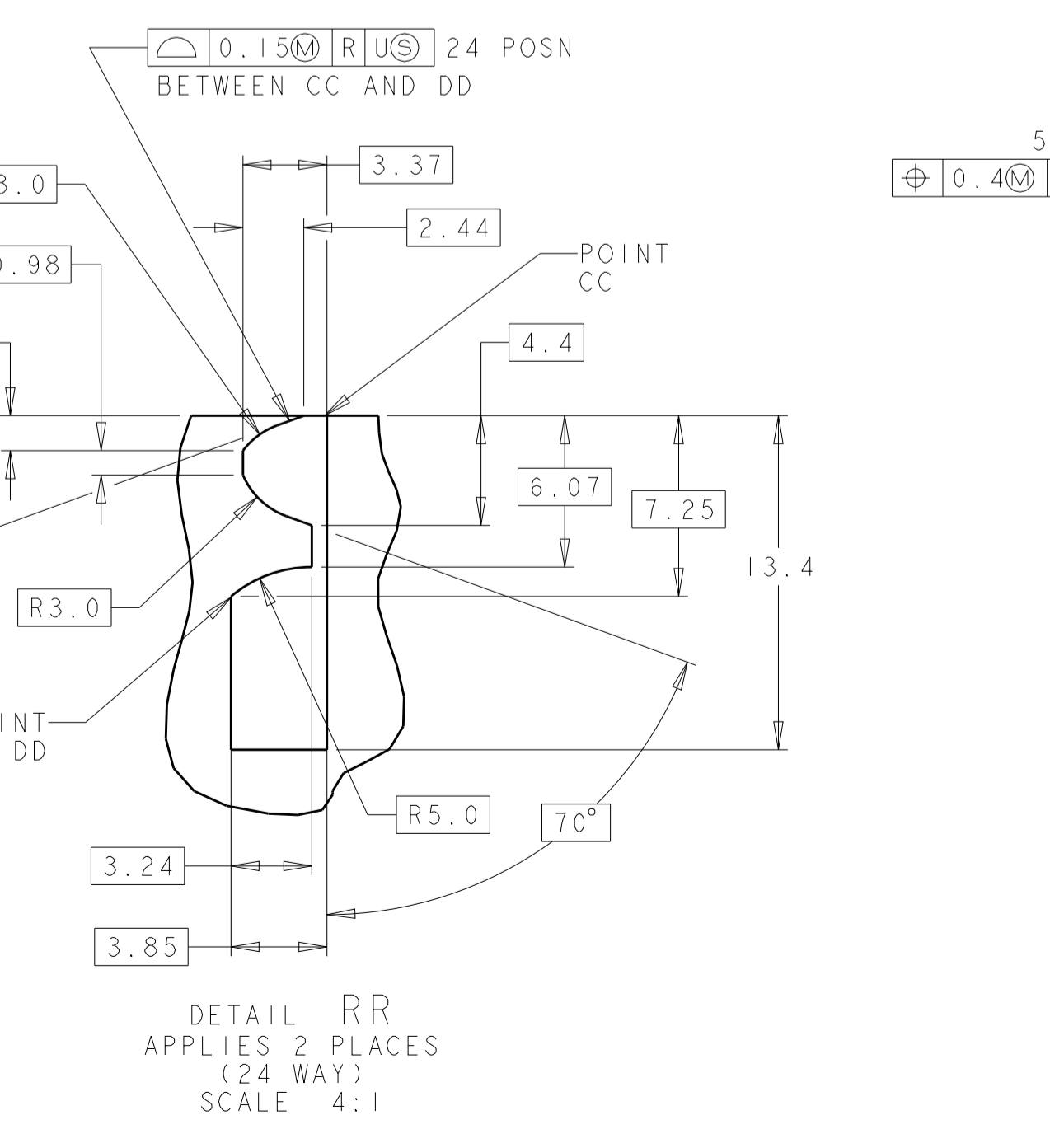
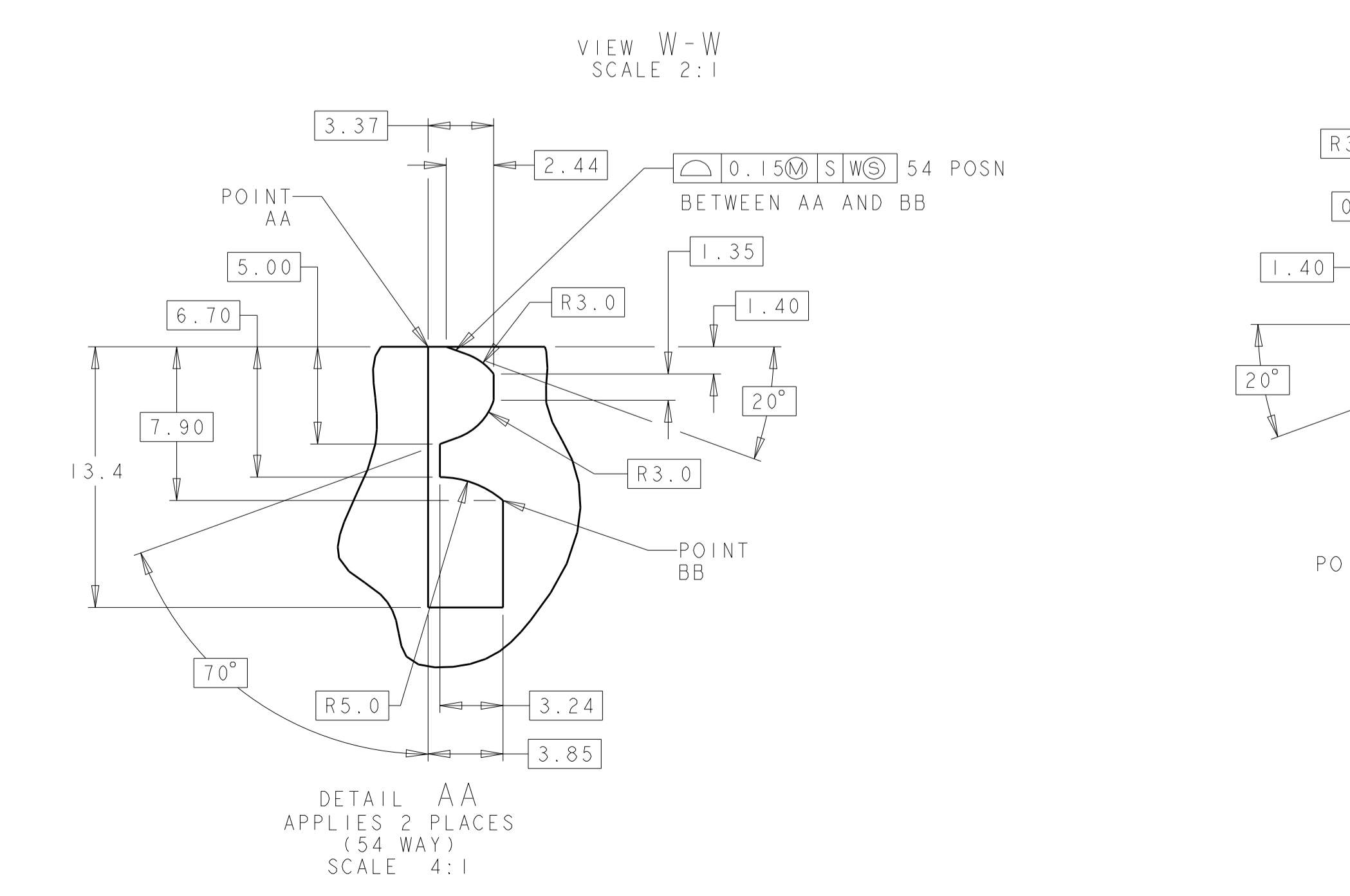
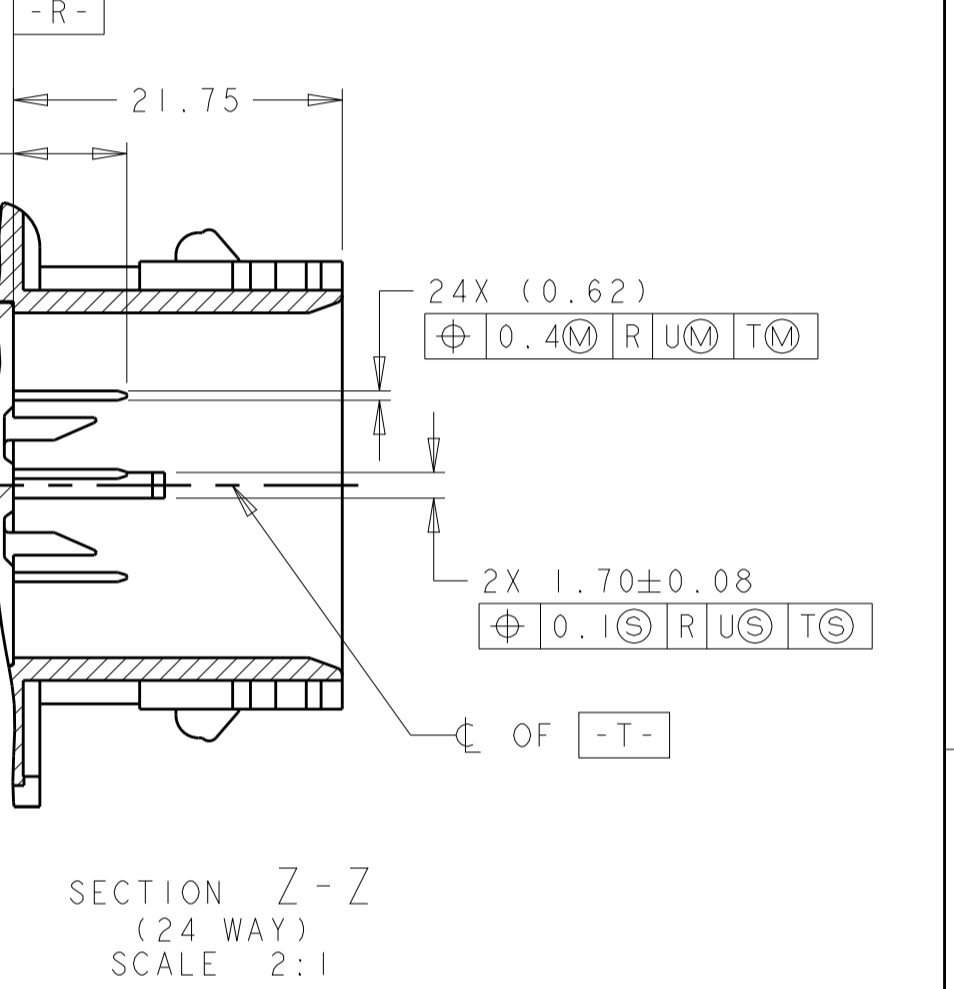
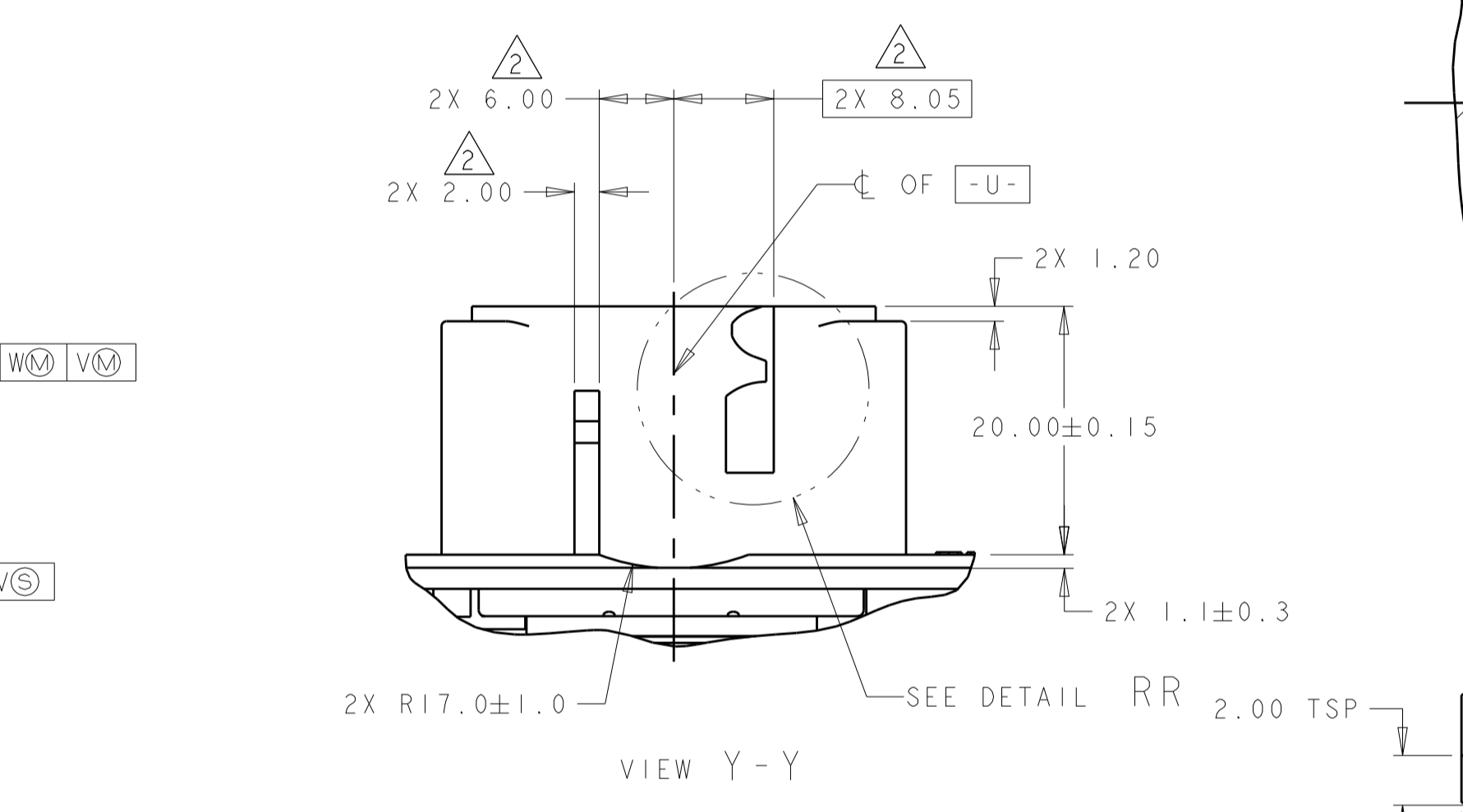
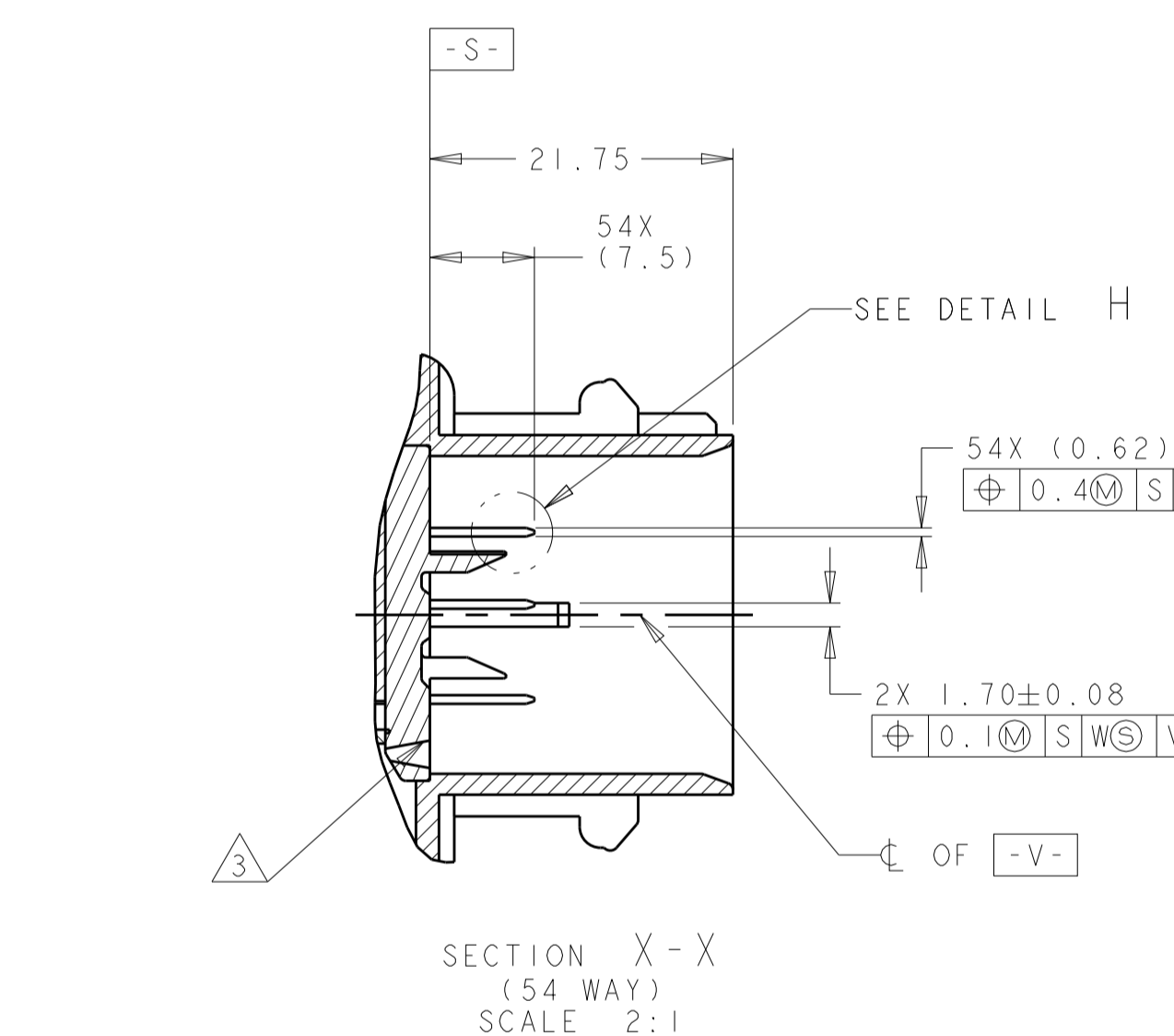
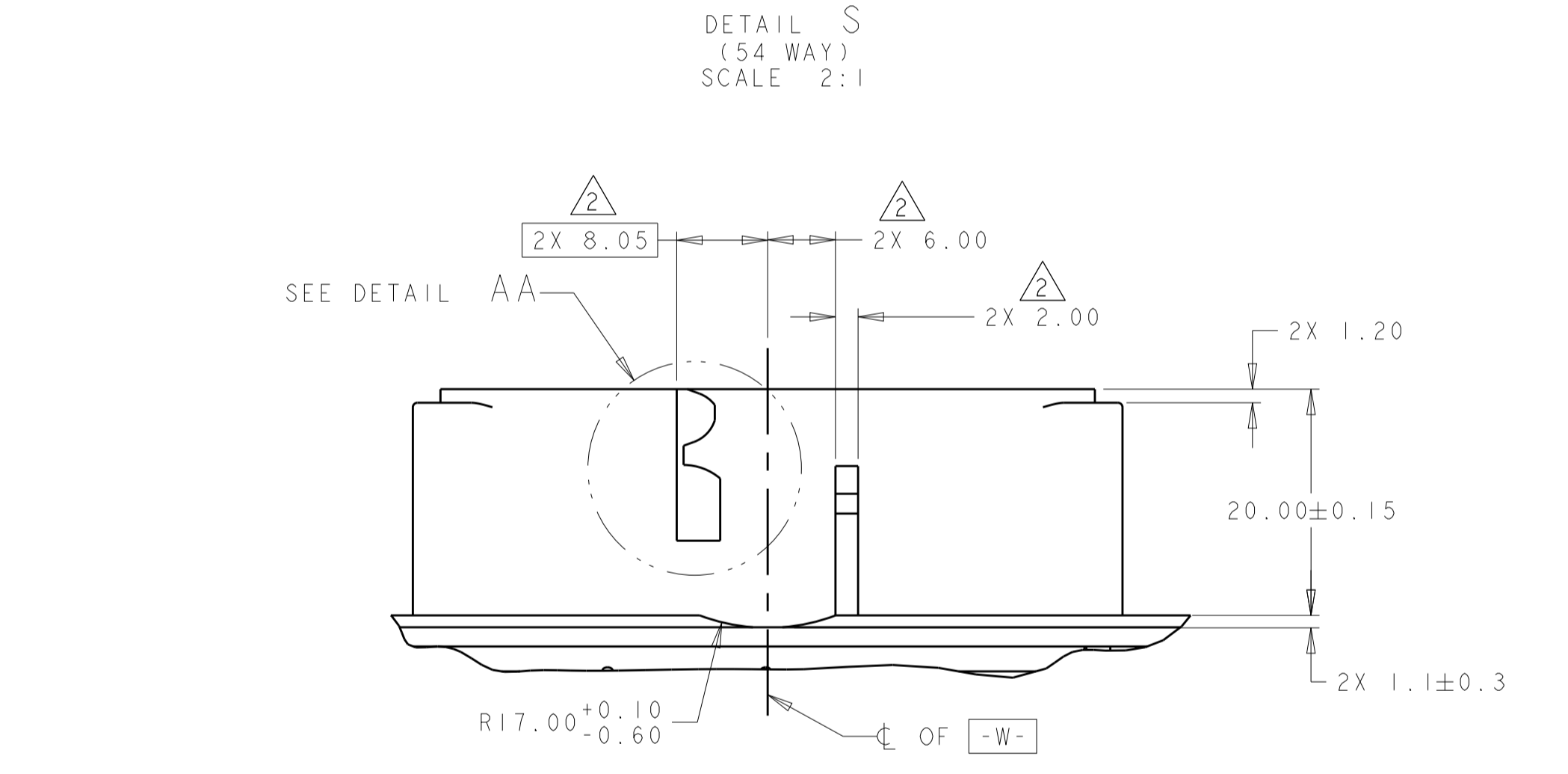
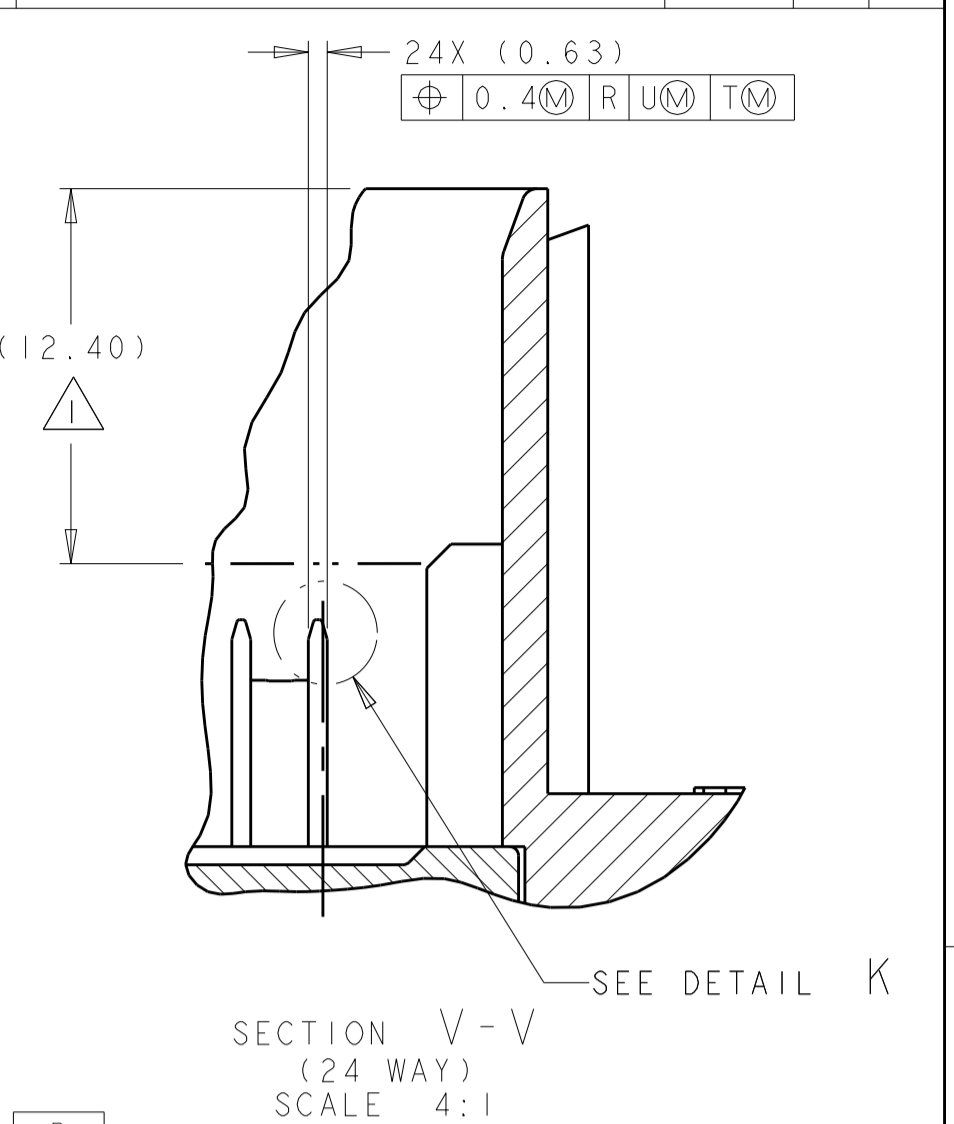
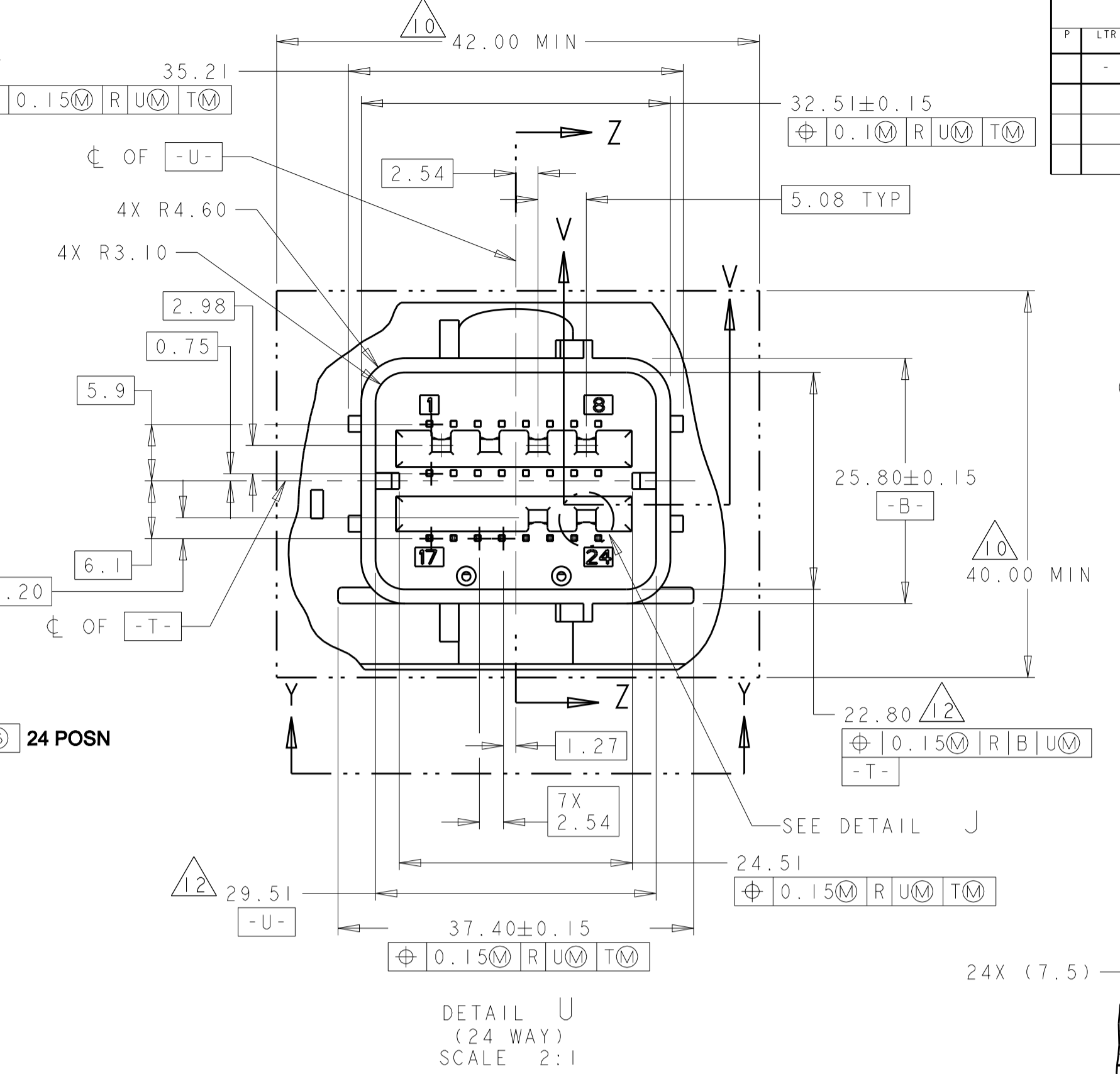
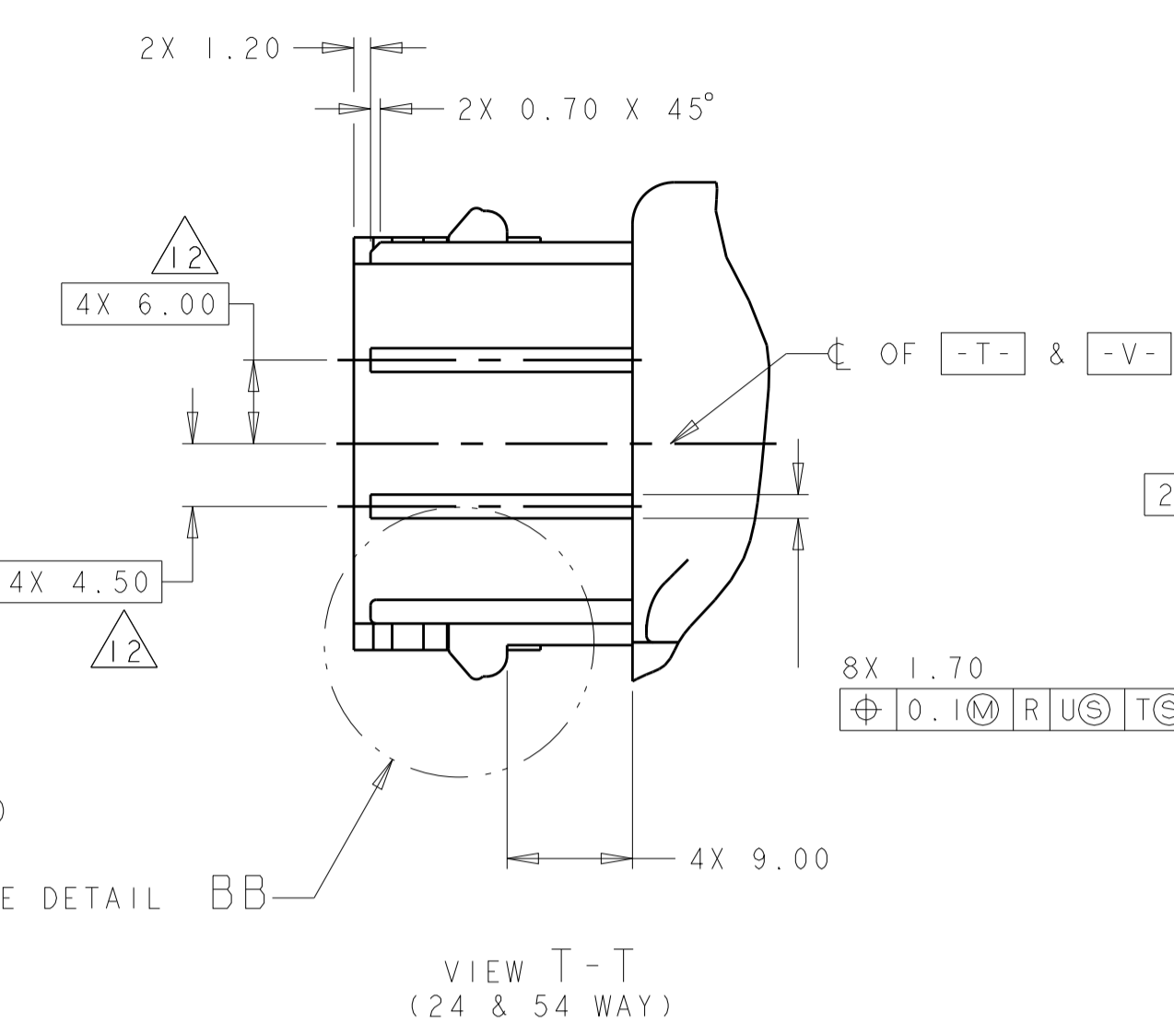
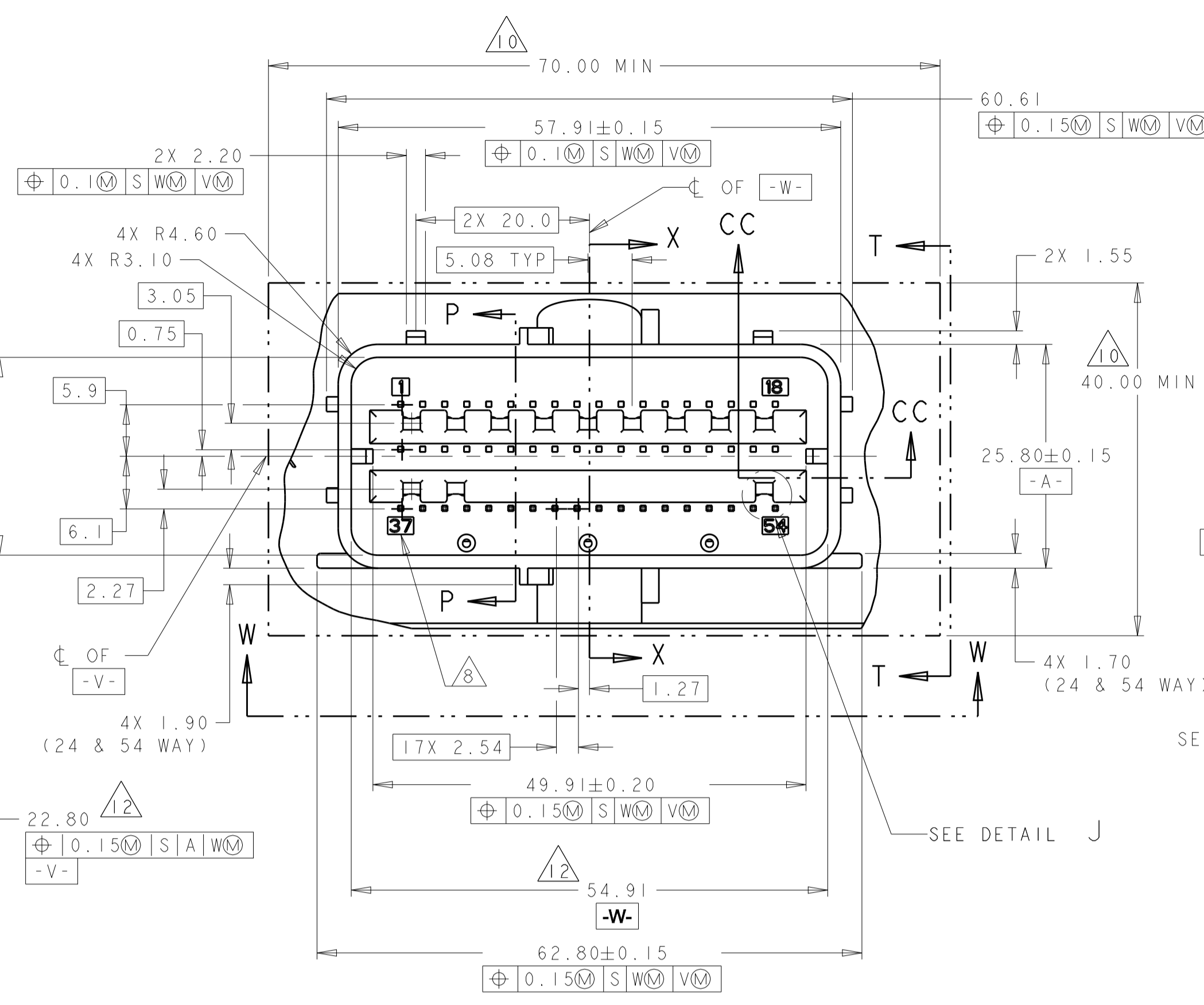
KEY DESIGN	KEYWAY LOCATION			
	1	2	3	4
⁶ E	OPEN	OPEN	OPEN	OPEN
D	OPEN	CLOSED	CLOSED	OPEN
C	CLOSED	OPEN	OPEN	CLOSED
B	CLOSED	CLOSED	OPEN	OPEN
A	OPEN	OPEN	CLOSED	CLOSED

KEYING CONFIGURATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: DL DRUMMOND 19NOV2012		TE Connectivity
DIMENSIONS: mm		CHK: GENE MILLER 19NOV2012		NAME: PLUG ASSEMBLY, SEALED, 54 POSITION, SDM30, RIGHT-HAND LEVER (NO SHUNTS)
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: GENE MILLER 19NOV2012	PRODUCT SPEC:	SIZE: A100779
0 PLC ±.1		APPLICATION SPEC:	RESTRICTED TO:	SCALE: 1:1
1 PLC ±0.3		WEIGHT:	CAGE CODE: 2203515	SHEET 2 OF 4
2 PLC ±0.2		CUSTOMER DRAWING	REV: All	
3 PLC ±.1				
4 PLC ±.1				
ANGLES: ±.2°				
FINISH:				

APPLICABLE HEADER INTERFACE SPECIFICATION

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1				SEE SHEET 1

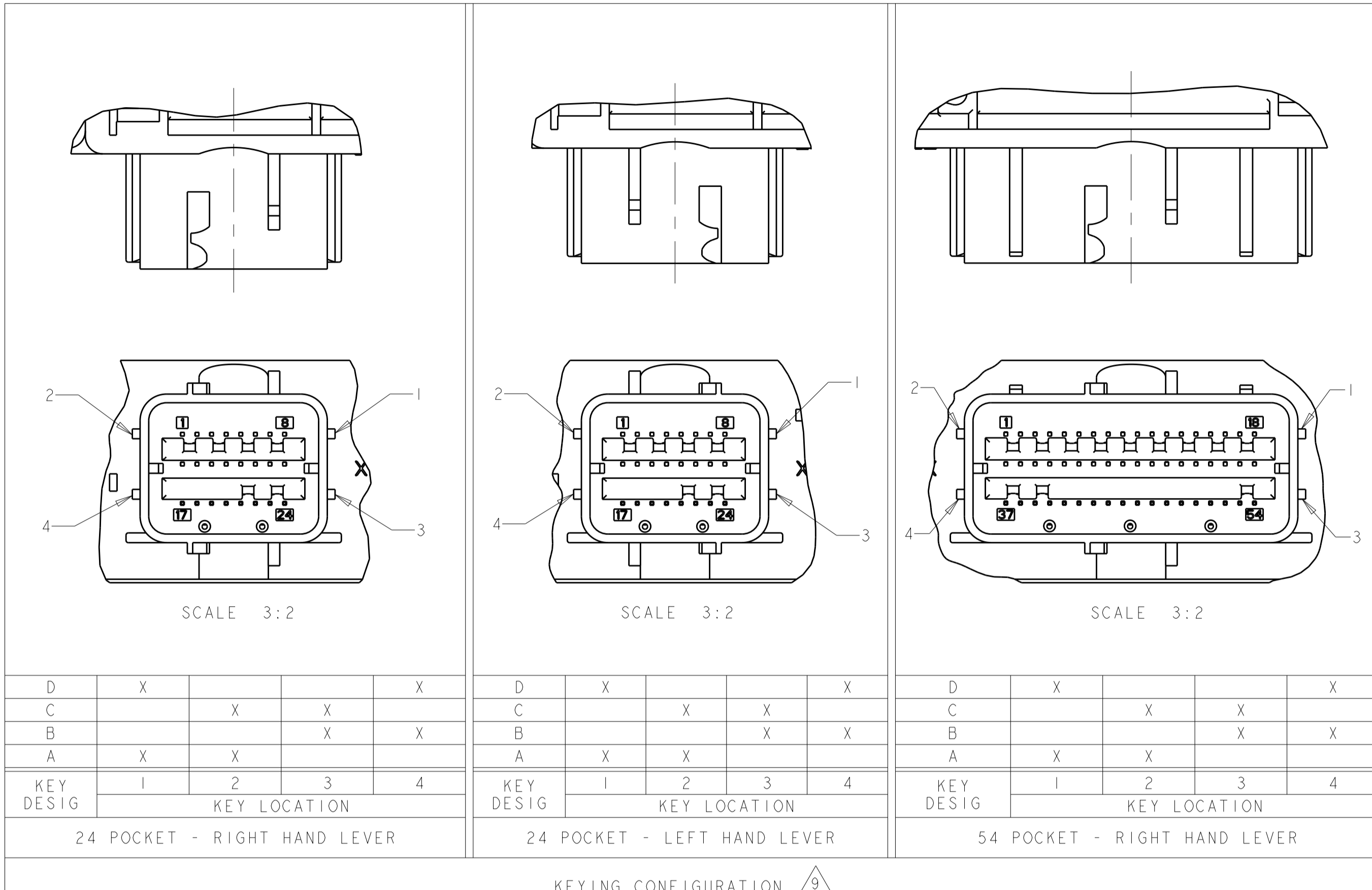
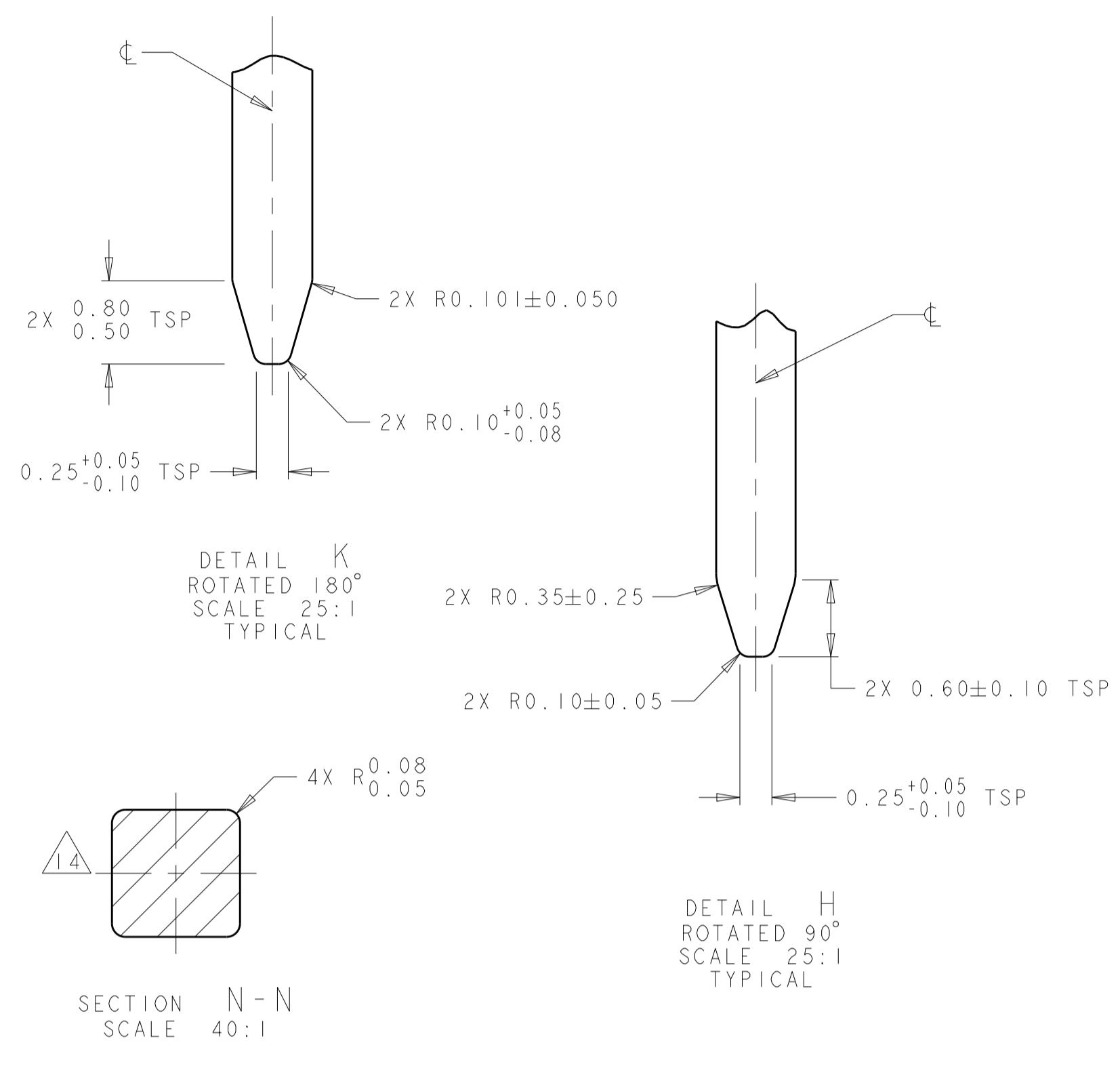


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN DL DRUMMOND 19NOV2012	CHK GENE MILLER 19NOV2012	APP'D GENE MILLER 19NOV2012	NAME
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC			
mm	0 PLC ±0.3	APPLICATION SPEC			
	1 PLC ±0.2	SIZE CAGE CODE DRAWING NO			
	2 PLC ±0.15	RESTRICTED TO			
	3 PLC ±0.1	CUSTOMER DRAWING			
	4 PLC ±0.075	SCALE 3:1 SHEET 3 OF 4 REV ALL			
MATERIAL	FINISH	A100779C=2203515			

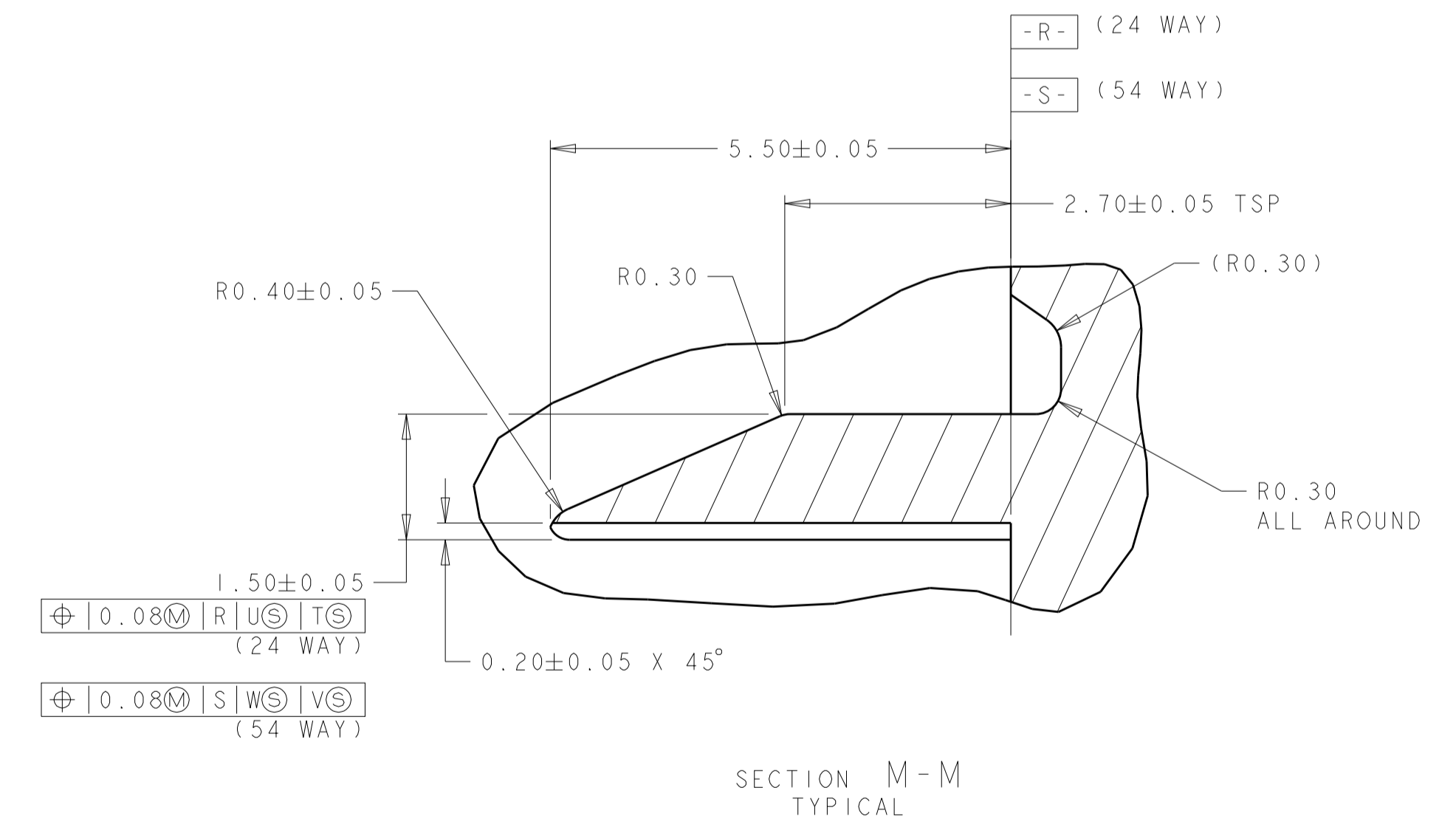
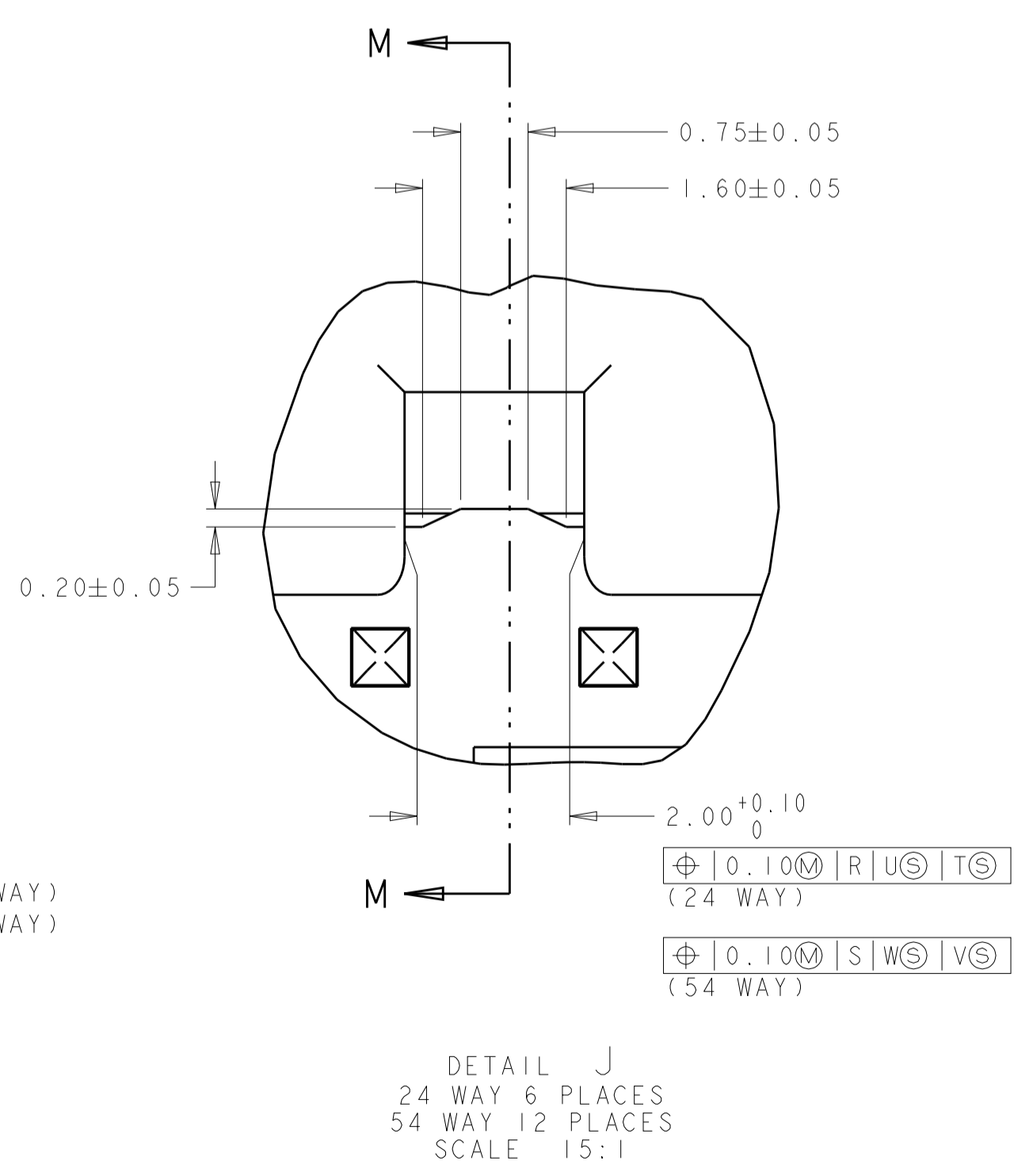
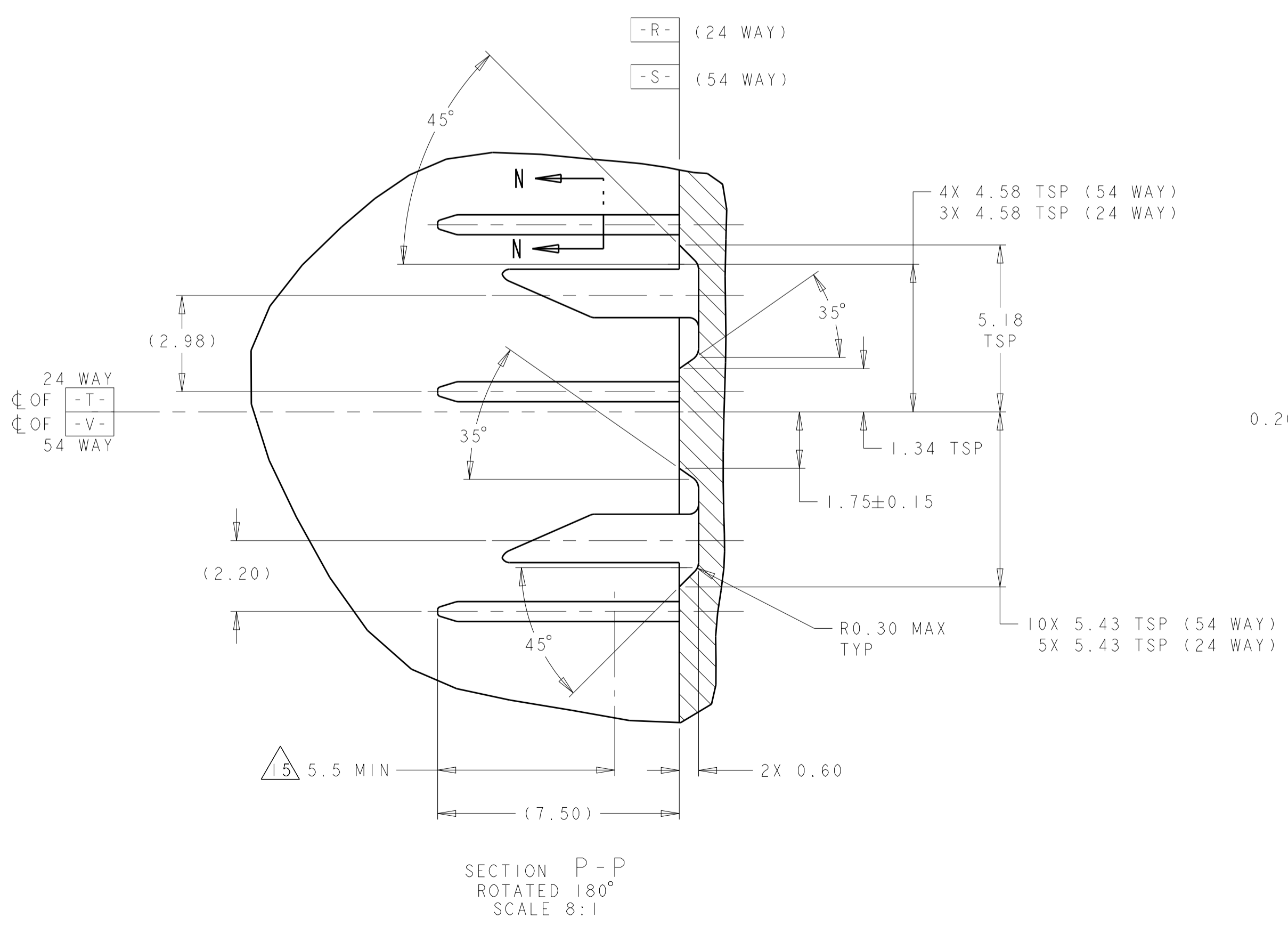
APPLICABLE HEADER INTERFACE SPECIFICATION

REVISIONS				
P.	LTN	DESCRIPTION	DATE	APP'D
-	-	SEE SHEET 1	-	-

RECOMMENDED PIN TIP GEOMETRY 0.63 X 0.62



- 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, C511 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-2203516-x
 - 24 WAY - RIGHT HAND LEVER TE P/N x-2203517-x
 - 54 WAY - RIGHT HAND LEVER TE P/N x-2203515-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.



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: DL DRUMMOND 19NOV2012
 CHG: GENE MILLER 19NOV2012
 APP'D: GENE MILLER 19NOV2012

TE Connectivity

NAME: PLUG ASSEMBLY, SEALED, 54 POSITION, SDM30, RIGHT-HAND LEVER (NO SHUNTS)

SIZE: A100779C=2203515
 SCALE: 3:1 SHEET 4 OF 4

MATERIAL: - FINISH: - WEIGHT: - CUSTOMER DRAWING