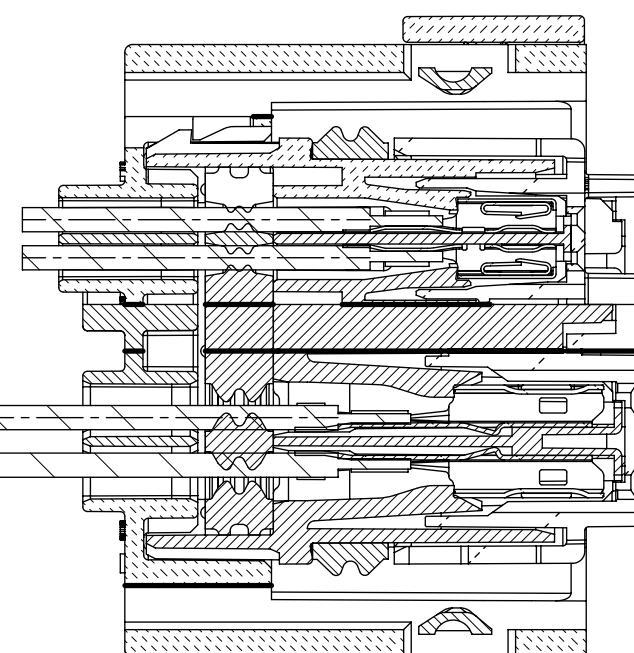
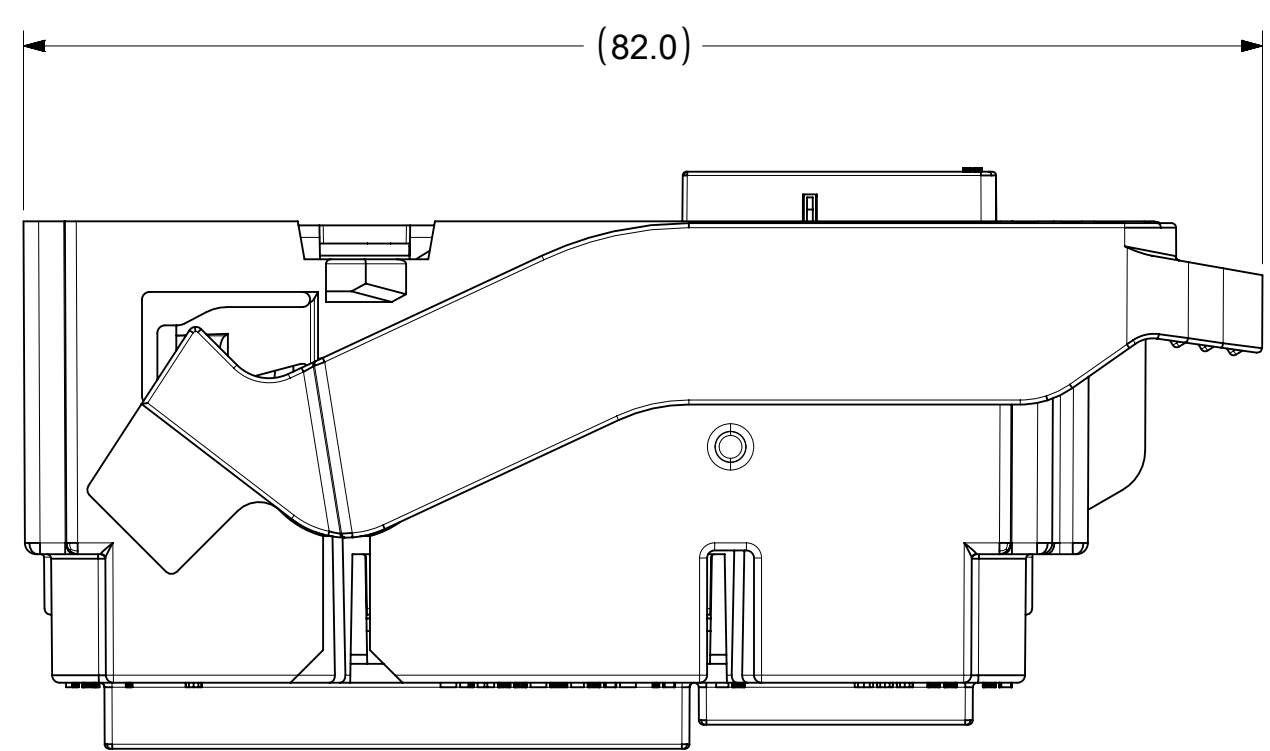
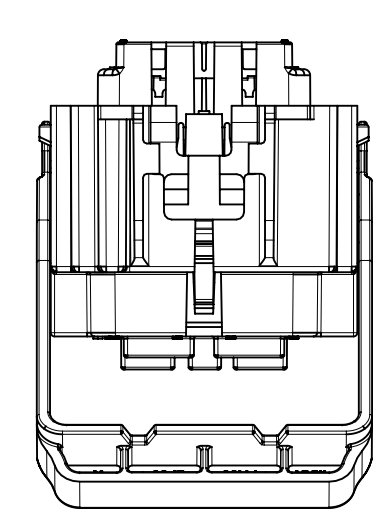
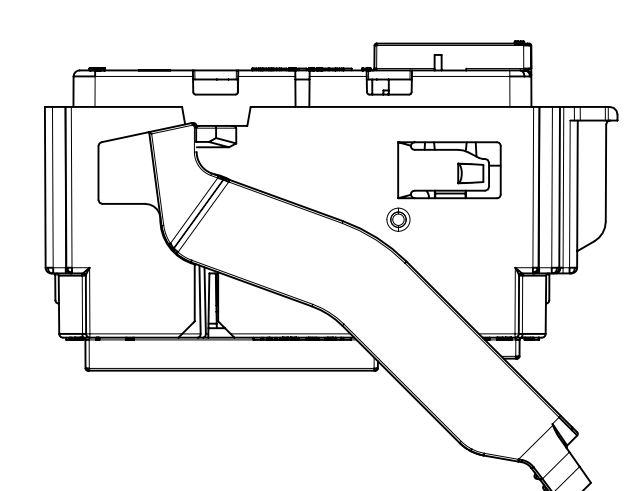
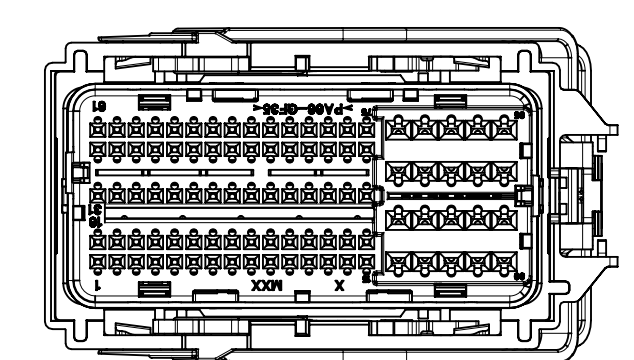




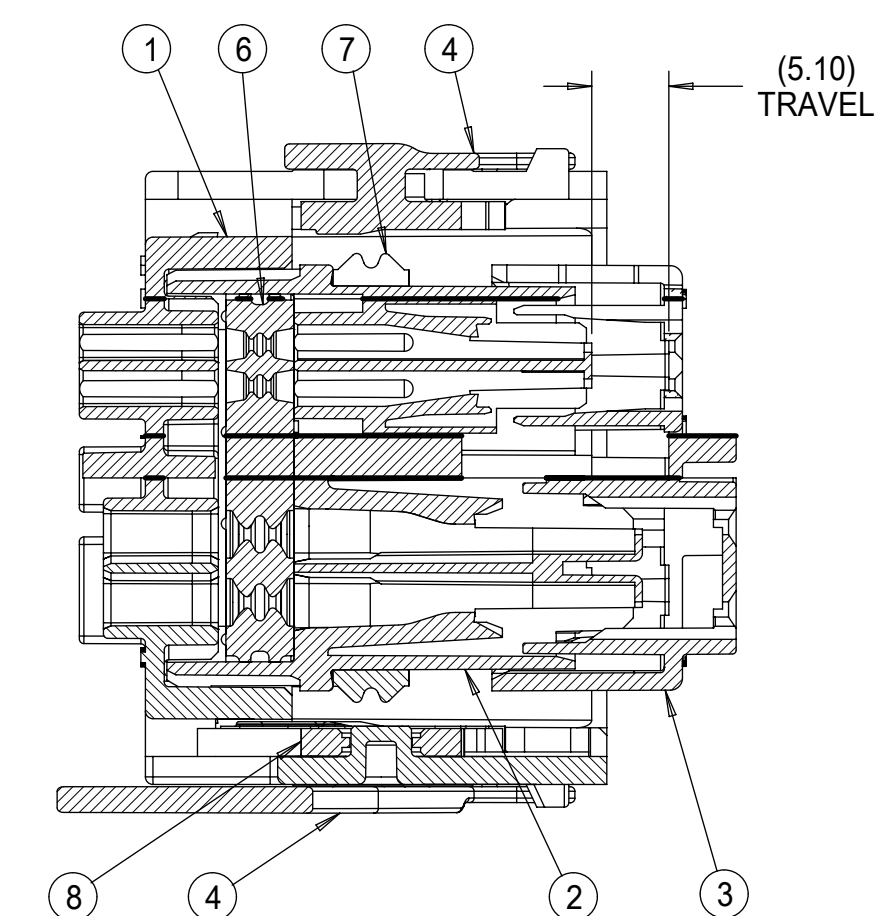
TERMINALS AND TPA SHOWN
IN FINAL LOCKED POSITION
Section X-X



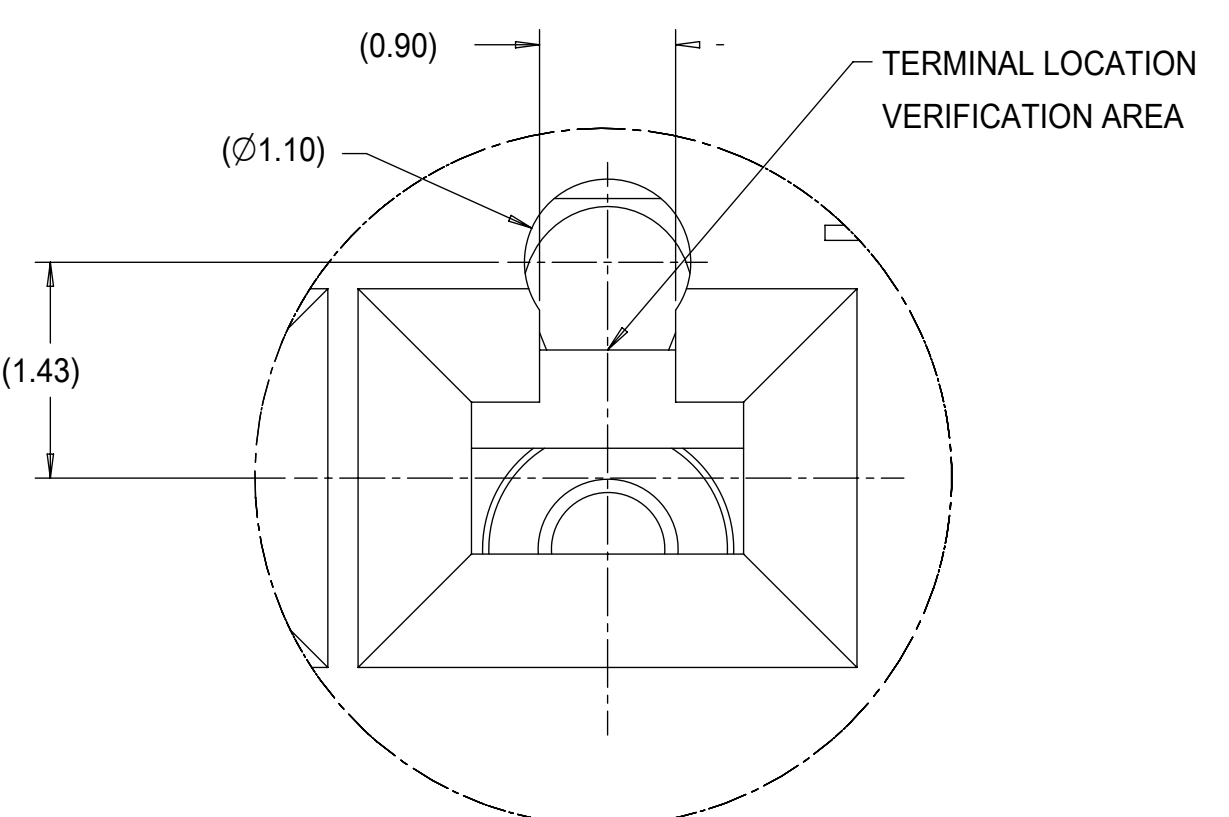
TPA SHOWN IN CLOSED POSIION AND
LEVER IN MATE POSITION



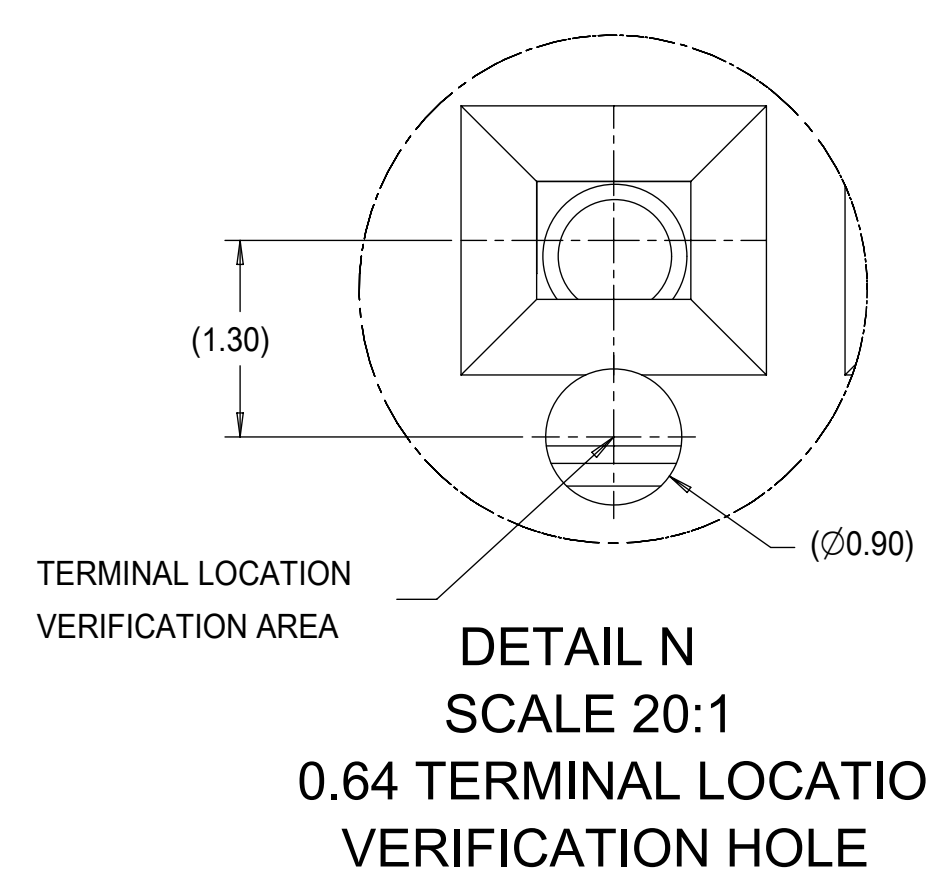
FULL SIZE VIEWS



Section Y-Y



DETAIL M
SCALE 20:1
1.5 TERMINAL LOCATION
VERIFICATION HOLE



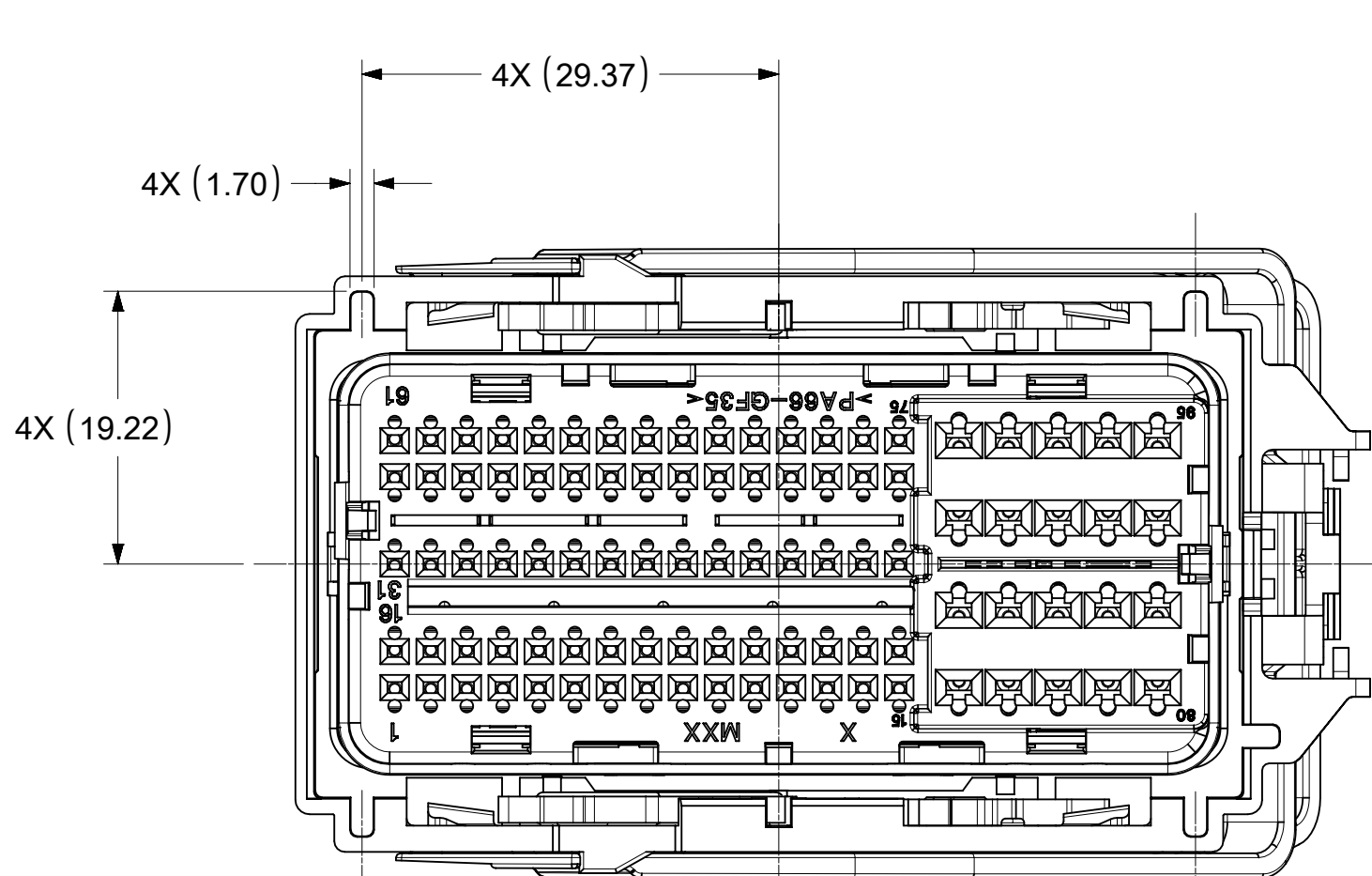
SCALE 20:1
0.64 TERMINAL LOCATION
VERIFICATION HOLE

NOTES: UNLESS OTHERWISE SPECIFIED

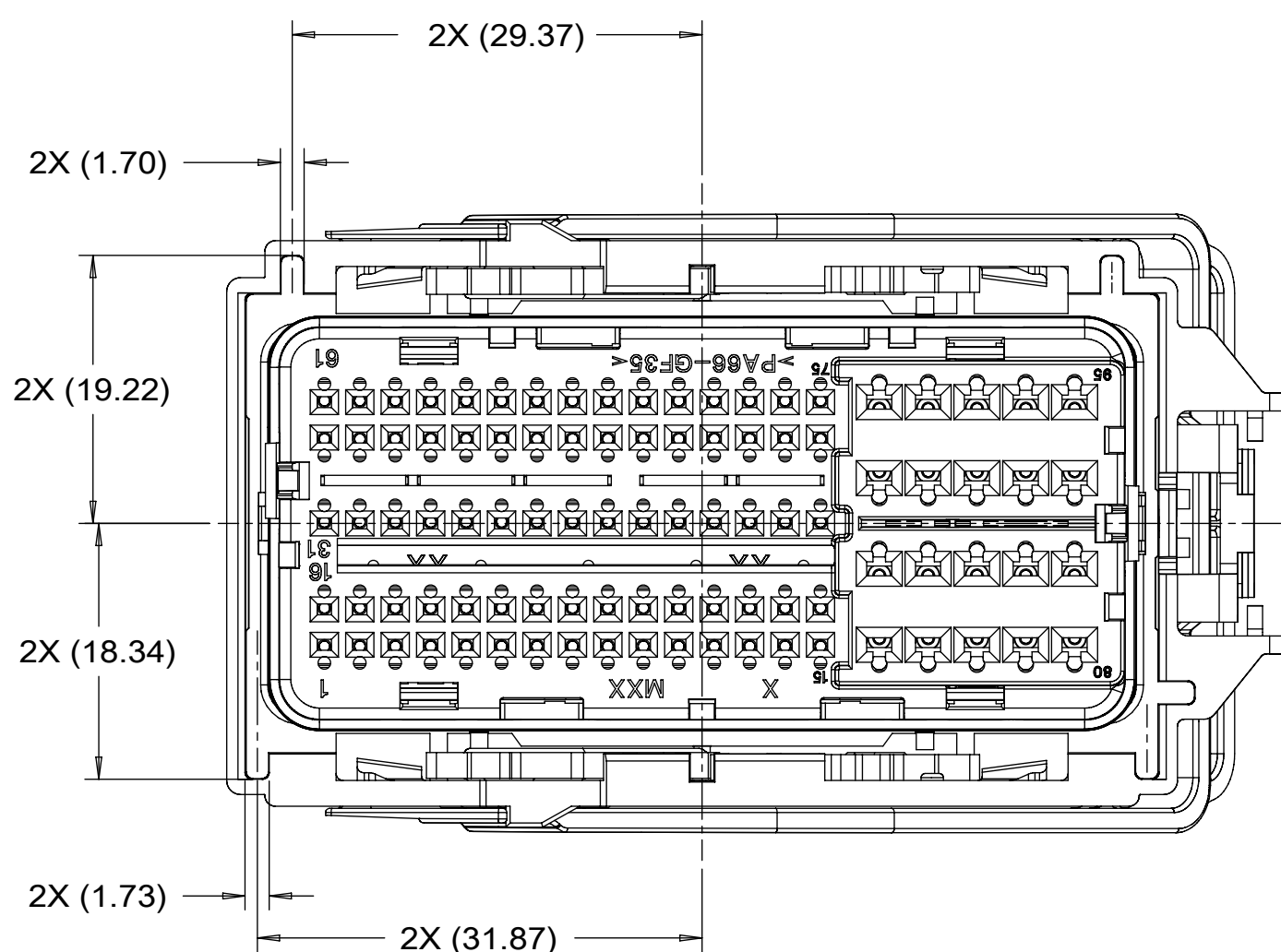
3. PART MUST CONFORM TO USCAR/SAE-2 REV 5 DATED NOV2007.
EXCEPTIONS: NONE
2. THE OPERATING ENVIRONMENT CRITERIA FOR THIS CONNECTOR SYSTEM IS USCAR TEMPERATURE CLASS 3, SEALING CLASS S3 AND VIBRATION CLASS V1.
3. ASSEMBLIES WILL ONLY PASS THE HIGH PRESSURE SPRAY REQUIREMENT WITH A WIRE DRESS COVER ATTACHED
4. MAXIMUM LEVER ENGAGEMENT FORCE POPULATED WITH TERMINALS IS NOT TO EXCEED 75N.
4. TERMINAL TPA/PLR IS SHIPPED TO HARNESS MANUFACTURER IN PRE-LOAD POSITION AS SHOWN.
6. ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
7. ENGINEERING APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART.
8. FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE.
9. ENGINEERING APPROVAL OF SAMPLE FROM SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
10. CHANGES IN DESIGN COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL..
11. GENERAL TOLERANCE:
 LINEAR DIMENSION: +0.10
 ANGULAR DIMENSION: +3°
12. 0.3 MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
13. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE, OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
14. SOURCE IDENTIFICATION MARK, AND PRODUCTION DATE CODE MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5MM MINIMUM LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER. NO LEGIBLE WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE. MARKING MAY BE LOCATED ON EITHER SIDE OF THE PART.
15. 25% MAXIMUM REGRIND ALLOWABLE.
16. SEE MOLEX APPLICATION SPEC AS-34992-001 FOR CONNECTOR SERVICE & USAGE INSTRUCTIONS.
17. OPTIONAL WIREDRESS COVER FOR THE AROUND-THE-END LEVER OPTION:
 ARE SHIPPED SEPARATELY.
18. WIREDRESS COVER FOR THE OVER-THE-TOP LEVER OPTION
 IS SHIPPED SEPARATELY.
19. OPTIONAL 0.64 LOOSE PIECE PLUG, 34676-0002 IS SHIPPED SEPARATELY.
20. OPTIONAL 1.5 LOOSE PIECE PLUG, 34345-4001, IS SHIPPED SEPARATELY.
21. MOLEX MX150 TERMINAL REMOVAL TOOL P/N 63813-1500.
22. MOLEX 0.64 TERMINAL REMOVAL TOOL P/N 63813-3501.
23. TPA/PLR MUST BE REMOVED TO SERVICE THE 0.64 TERMINALS.
24. TPA SEATING TOOL P/N 346760200 / 346760201
 SEE SHEET 2 FOR ADDITIONAL INFORMATION
25. FOR PINOUT AND DRESS COVER CONFIGURATION CHART SEE DOCUMENT: 349920002-SD

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: NOTE AND TABLE UPDATED				molex			
mm		2:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 677806 DRWN: NBOHIDAR 2021/09/15 CHK'D: BDICK01 2021/09/28 APPR: BDICK01 2021/09/28				GPEC IV CONNECTOR ASSEMBLY 95 CIRCUIT					
ANGULAR TOL ±											
4 PLACES		INITIAL REVISION: DRWN: NBOHIDAR 2018/09/01 APPR: APROFFITT 2018/09/07				DOCUMENT NUMBER 349920001-SD		DOC TYPE PSD	DOC PART 000	REVISION A8	
3 PLACES											
2 PLACES		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NUMBER CHARTED		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 3	
1 PLACE											
0 PLACES		THIRD ANGLE PROJECTION		DRAWING		SERIES					
				E-SIZE		34992					

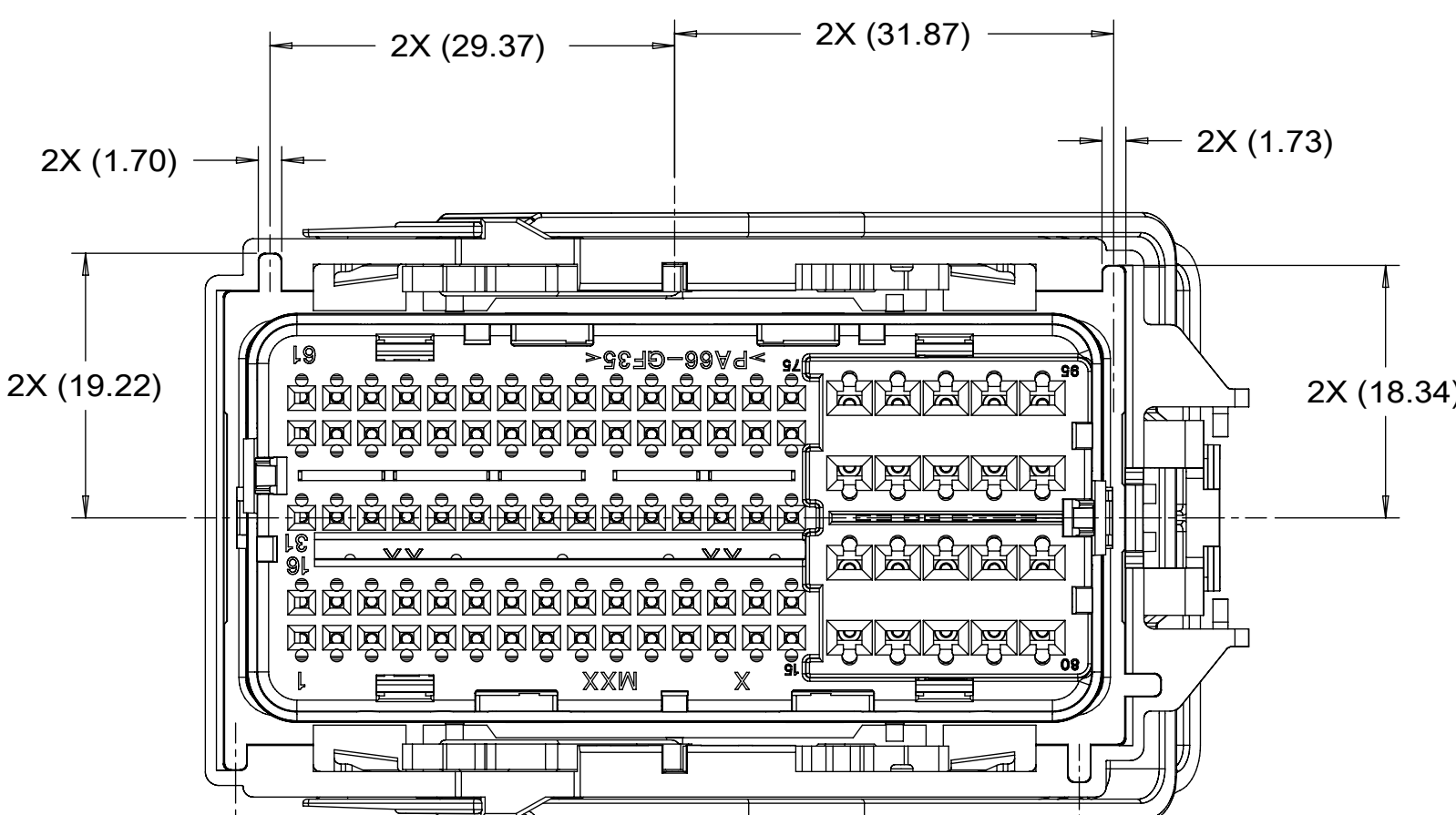
KEYWAY DEFINITION



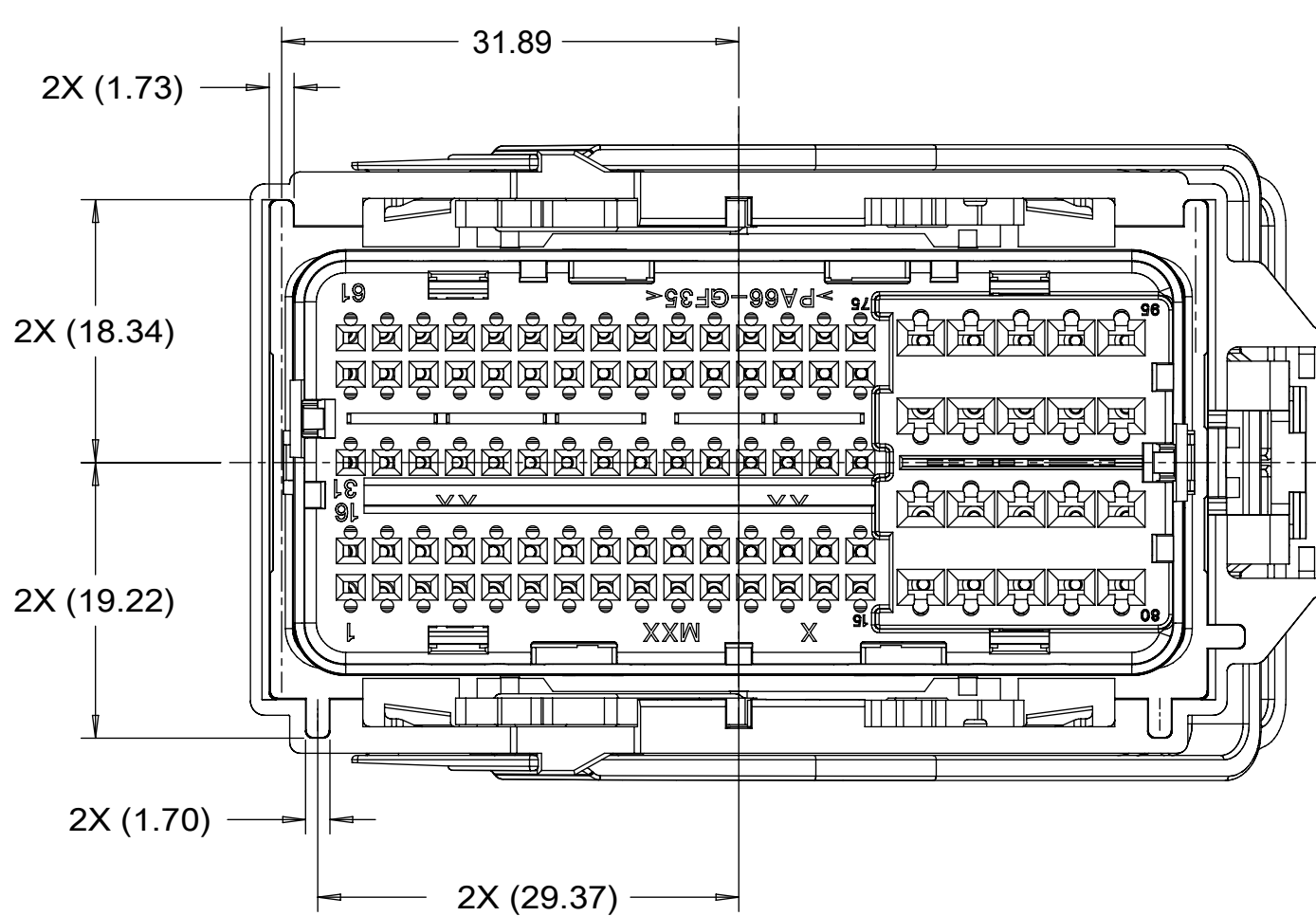
34992-0XXX (END LATCH LEVER)
34992-1XXX (TOP LATCH LEVER)
KEY OPTION 1



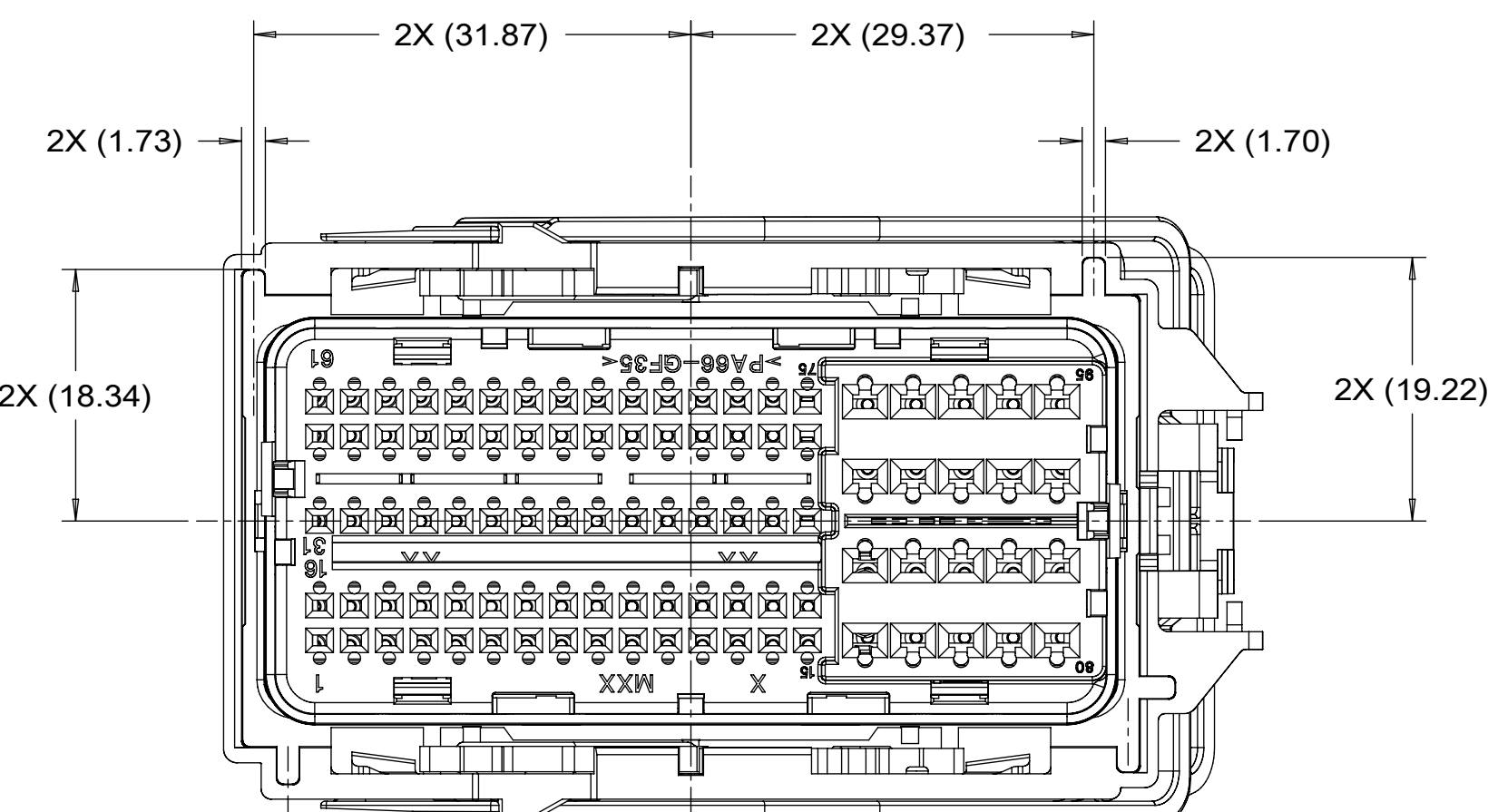
34992-6XXX (END LATCH LEVER)
34992-7XXX (TOP LATCH LEVER)
KEY OPTION 4



34992-2XXX (END LATCH LEVER)
34992-3XXX (TOP LATCH LEVER)
KEY OPTION 2

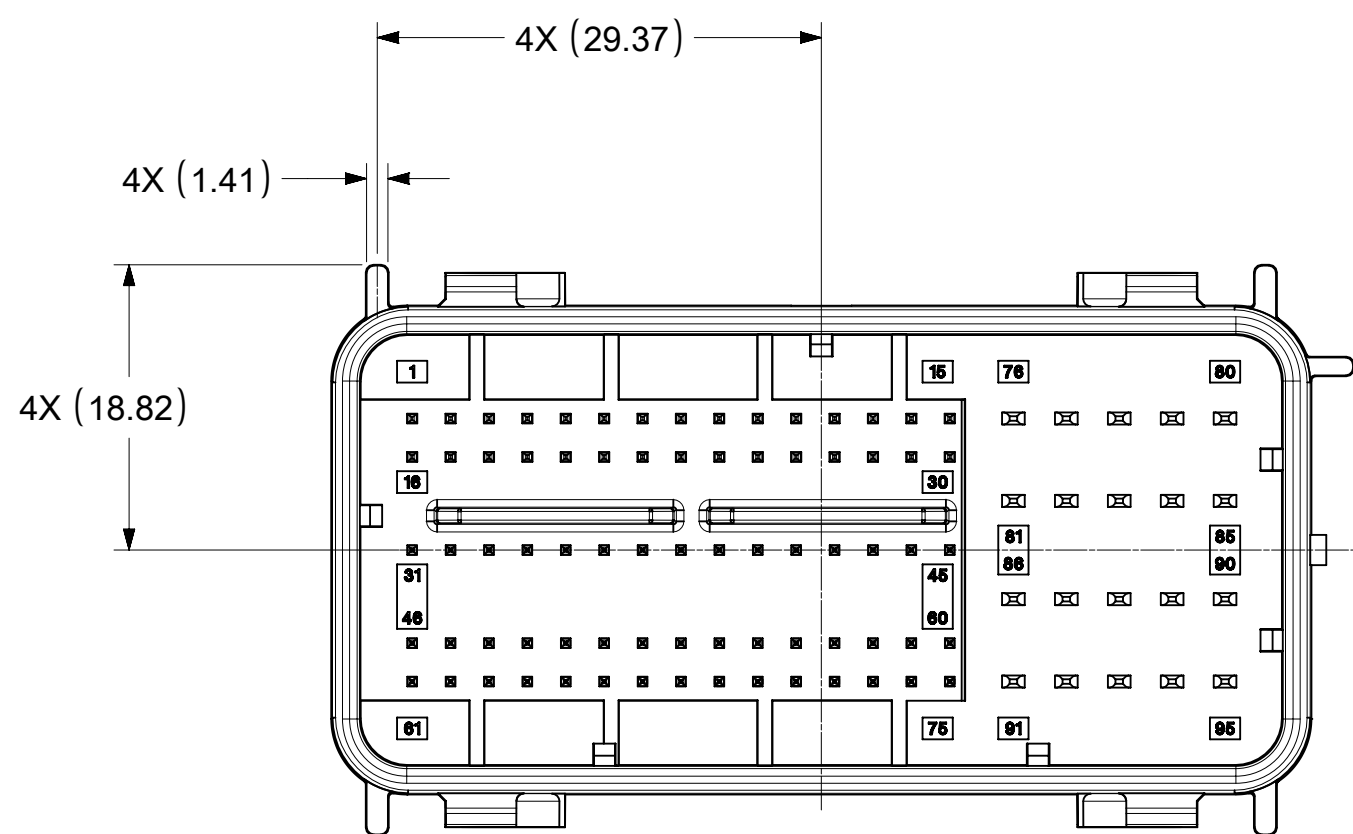


34992-8XXX (END LATCH LEVER)
34992-9XXX (TOP LATCH LEVER)
KEY OPTION 5

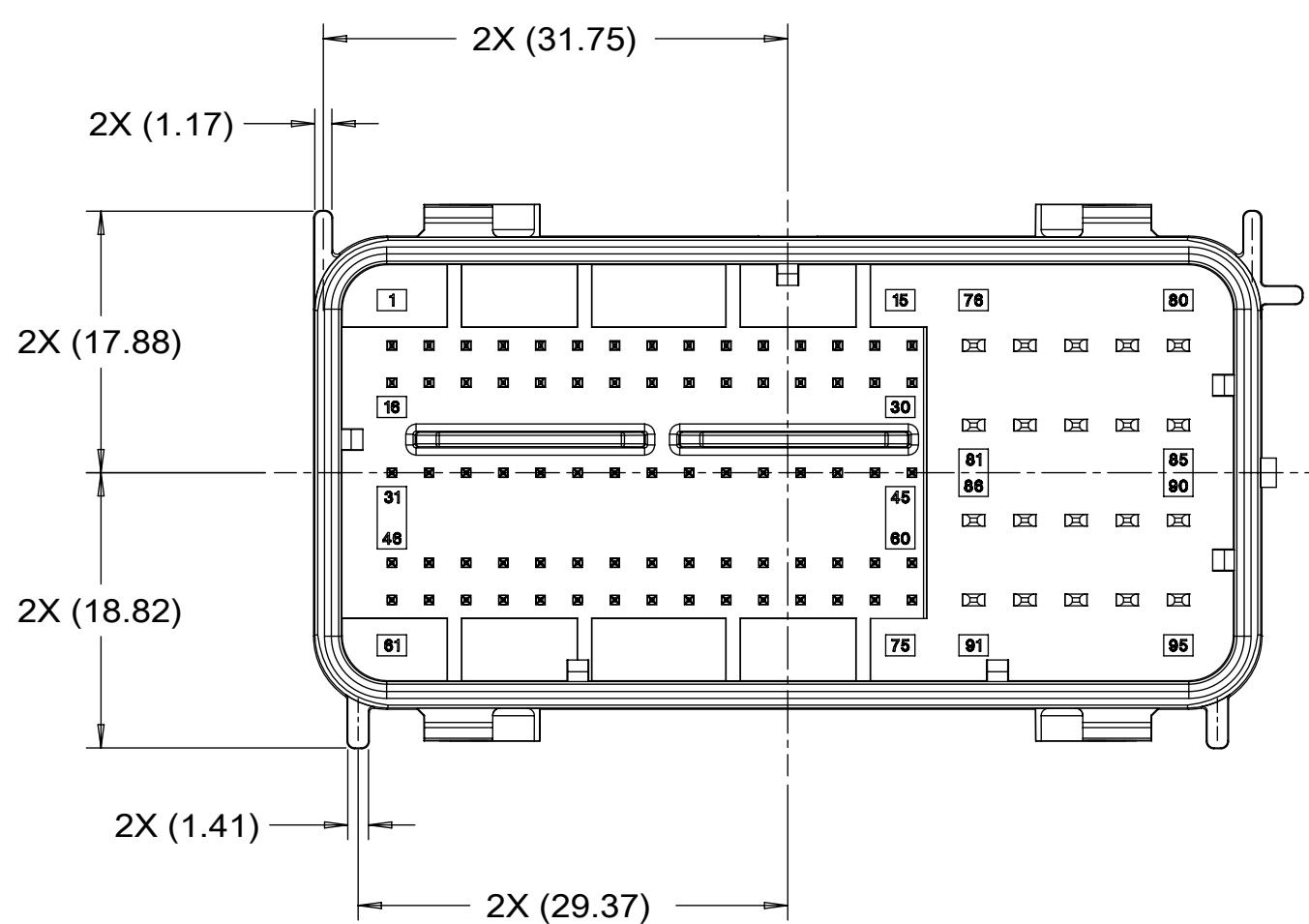


34992-4XXX (END LATCH LEVER)
34992-5XXX (TOP LATCH LEVER)
KEY OPTION 3

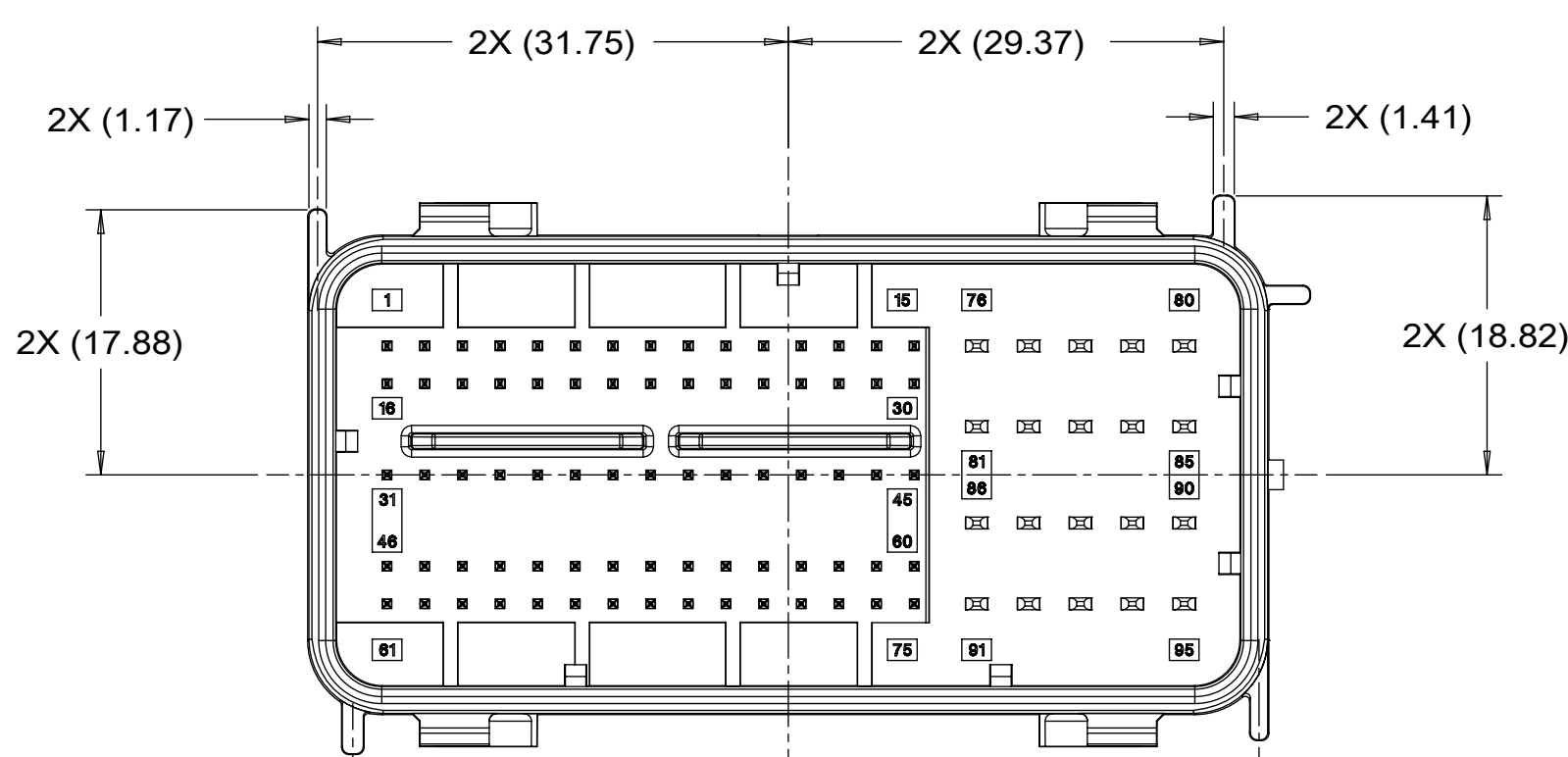
RECOMMENDED MATING INTERFACE



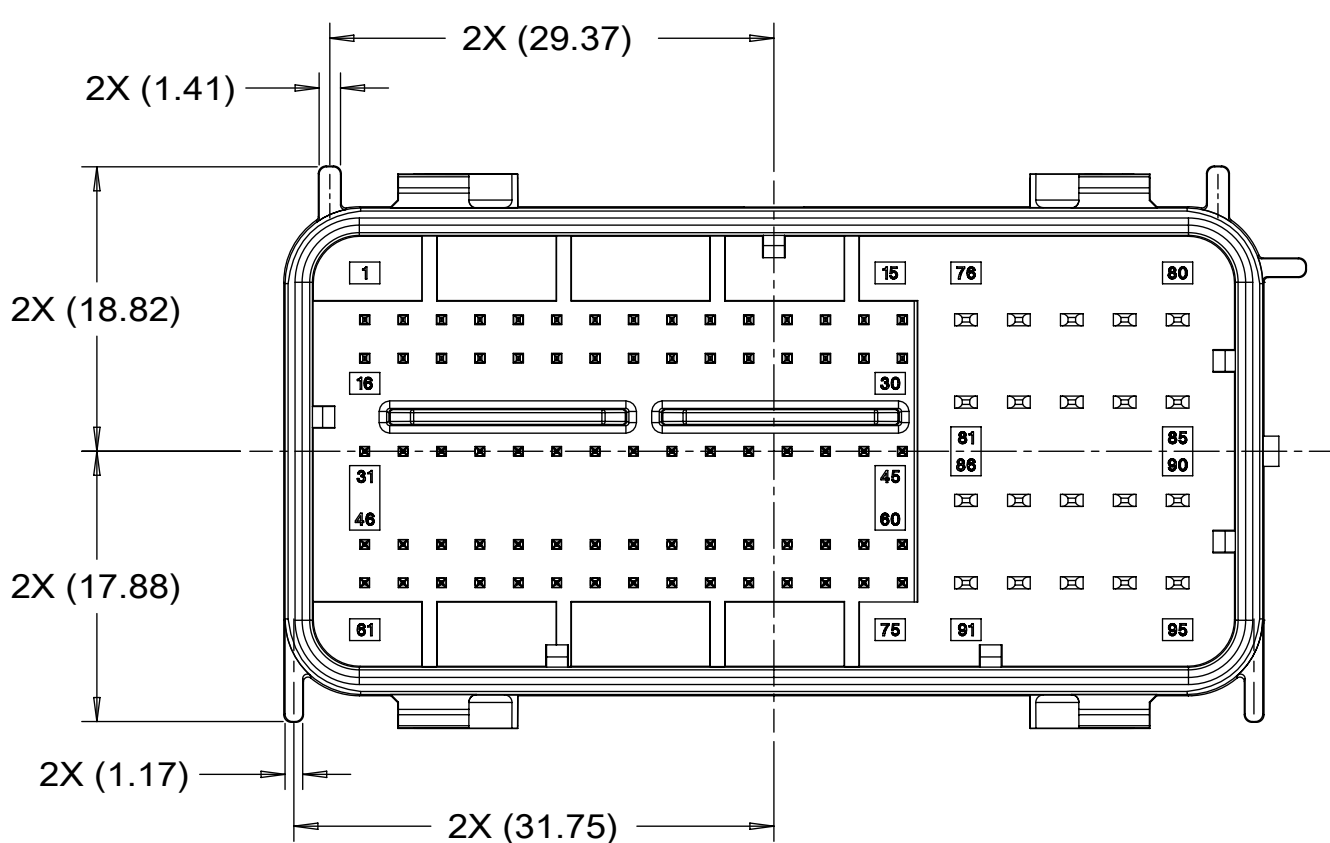
KEY OPTION 1



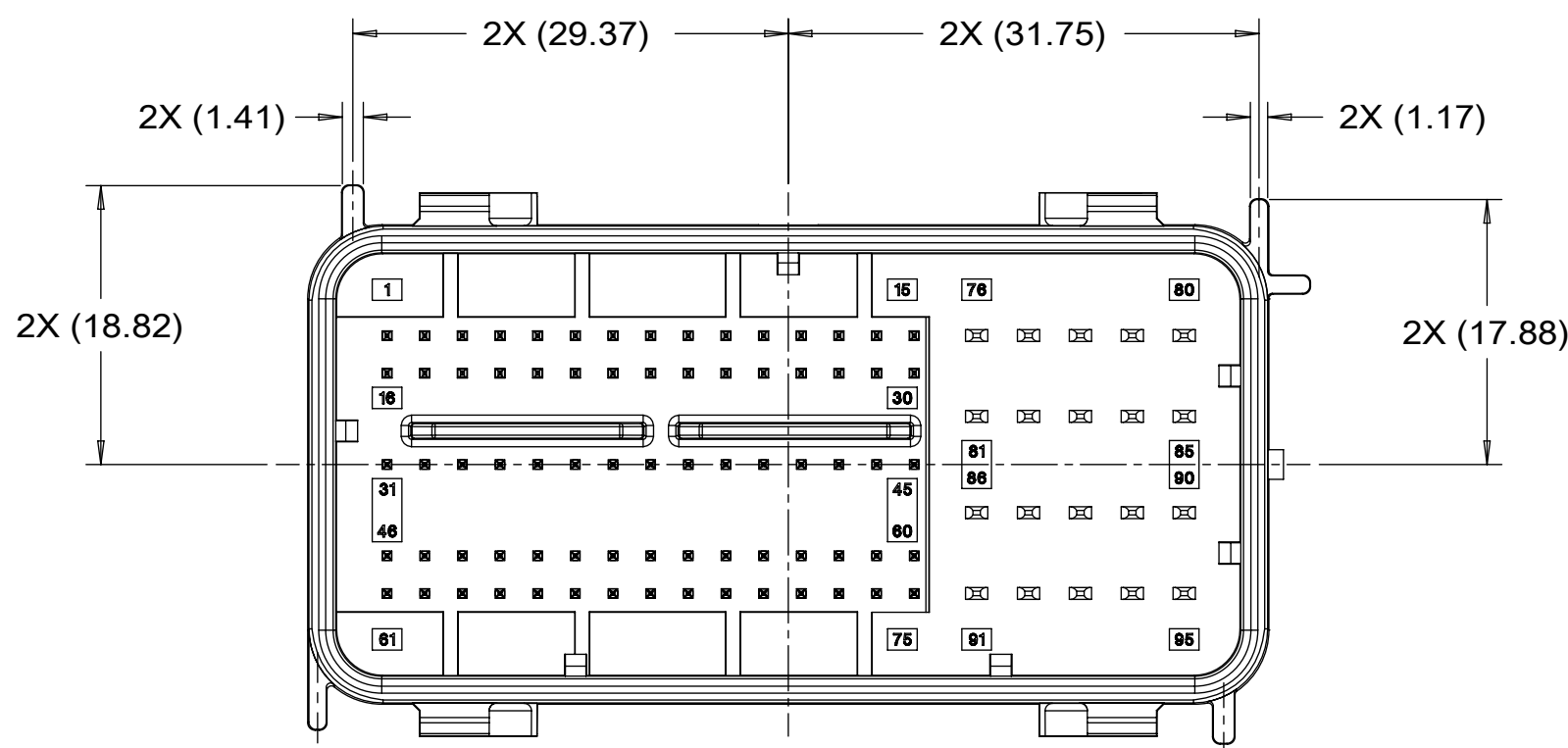
KEY OPTION 4



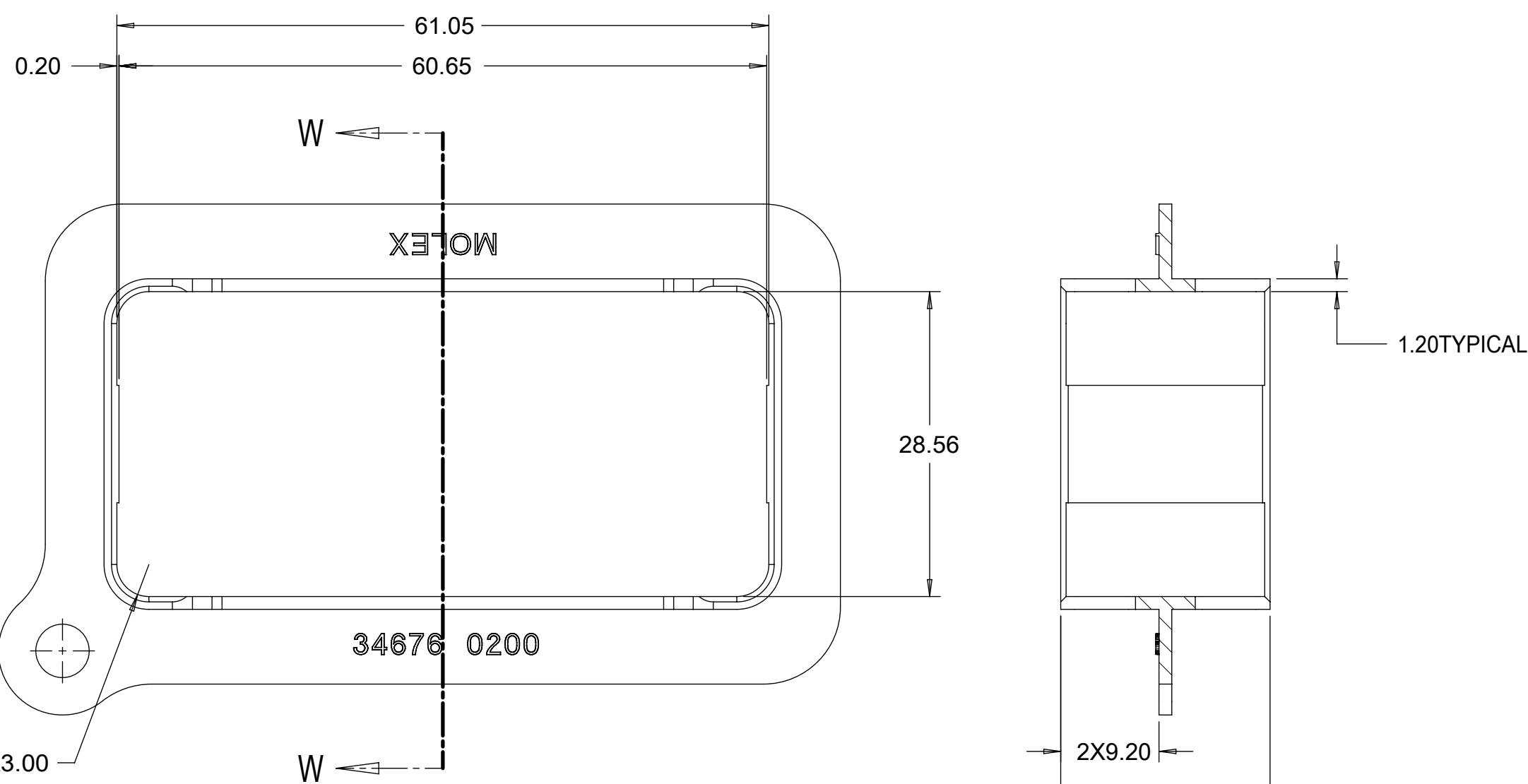
KEY OPTION 2



KEY OPTION 5



KEY OPTION 3



F3 TPA SEATING TOOL

SECTION W-W

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTE AND TABLE UPDATED			
	= 0	mm		2:1		 GPEC IV CONNECTOR ASSEMBLY 95 CIRCUIT PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 349920001-SD DOC TYPE PSD DOC PART 000 REVISION A8 MATERIAL NUMBER CHARTED CUSTOMER GENERAL MARKET SHEET NUMBER 2 OF 3			
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)							
	= 0	ANGULAR TOL ±							
	= 0	4 PLACES		EC NO: 677806					
	= 0	3 PLACES		DRWN: NBOHIDAR 2021/09/15					
	= 0	2 PLACES		CHK'D: BDICK01 2021/09/28					
	= 0	1 PLACE		APPR: BDICK01 2021/09/28					
	= 0	0 PLACES		INITIAL REVISION:					
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION					
	= 0			DRAWING					
	= 0			SERIES					
	= 0			E-SIZE					
	= 0			34992					

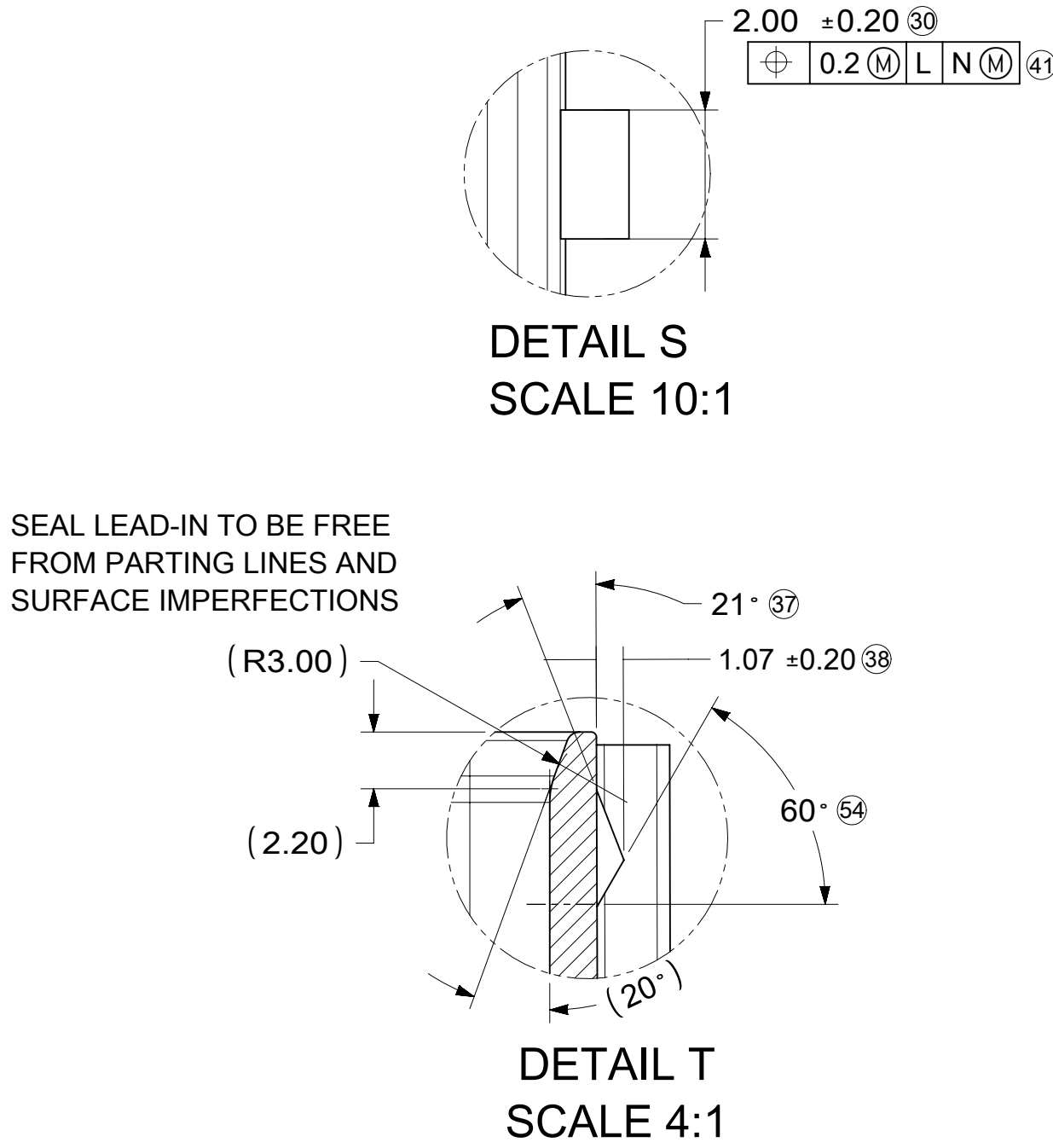
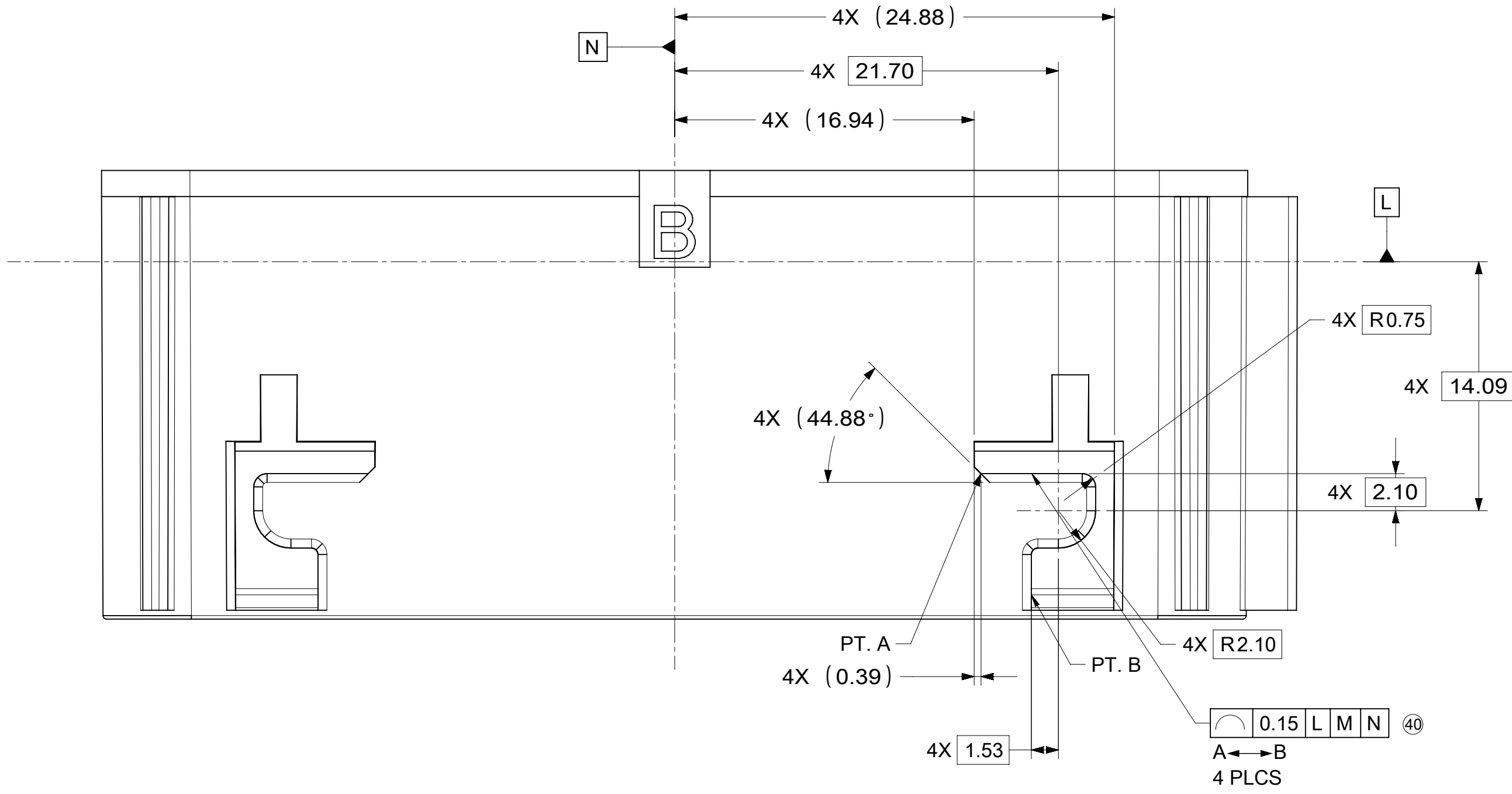
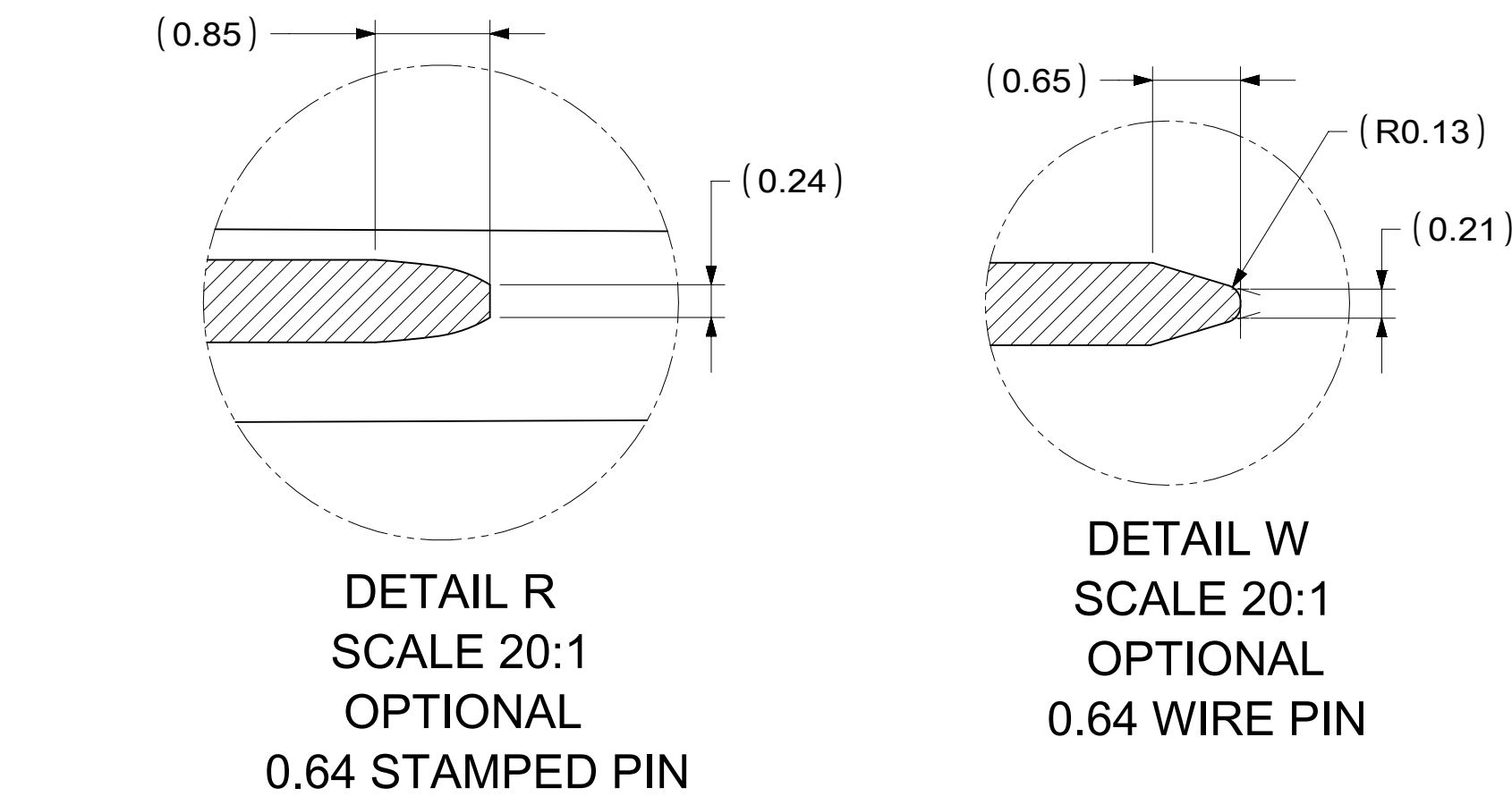
molex

GPEC IV CONNECTOR ASSEMBLY
95 CIRCUIT

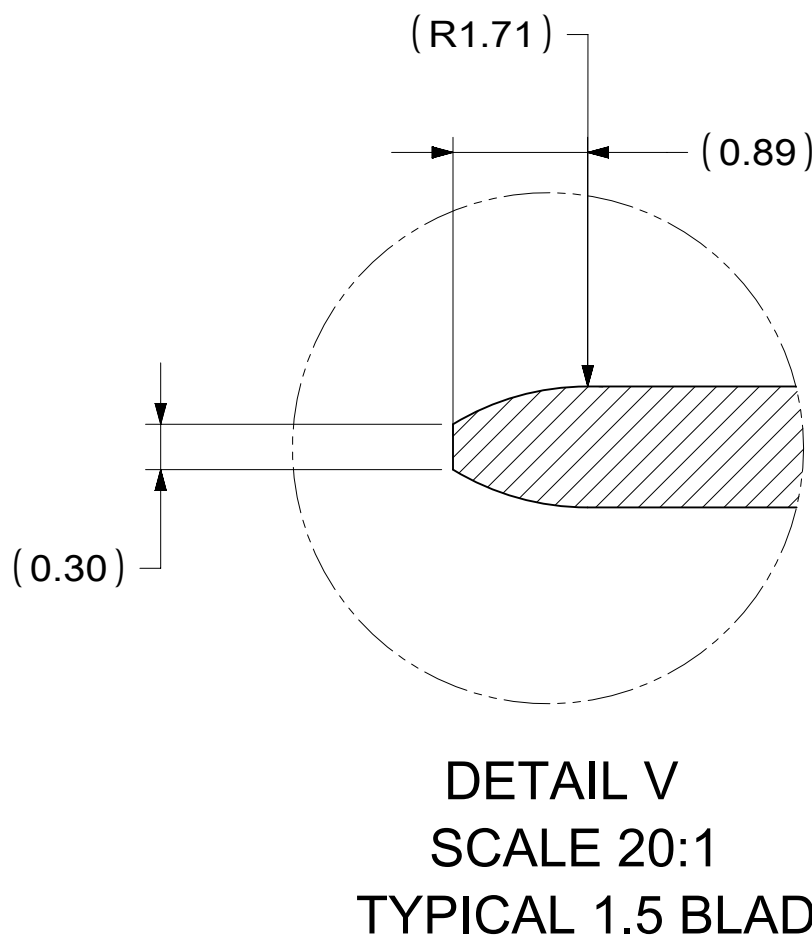
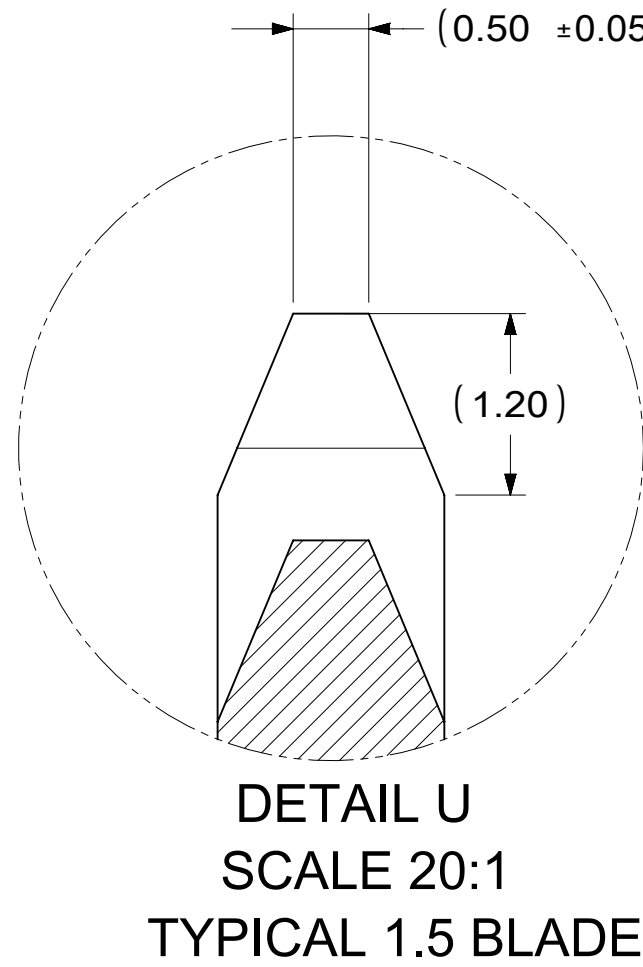
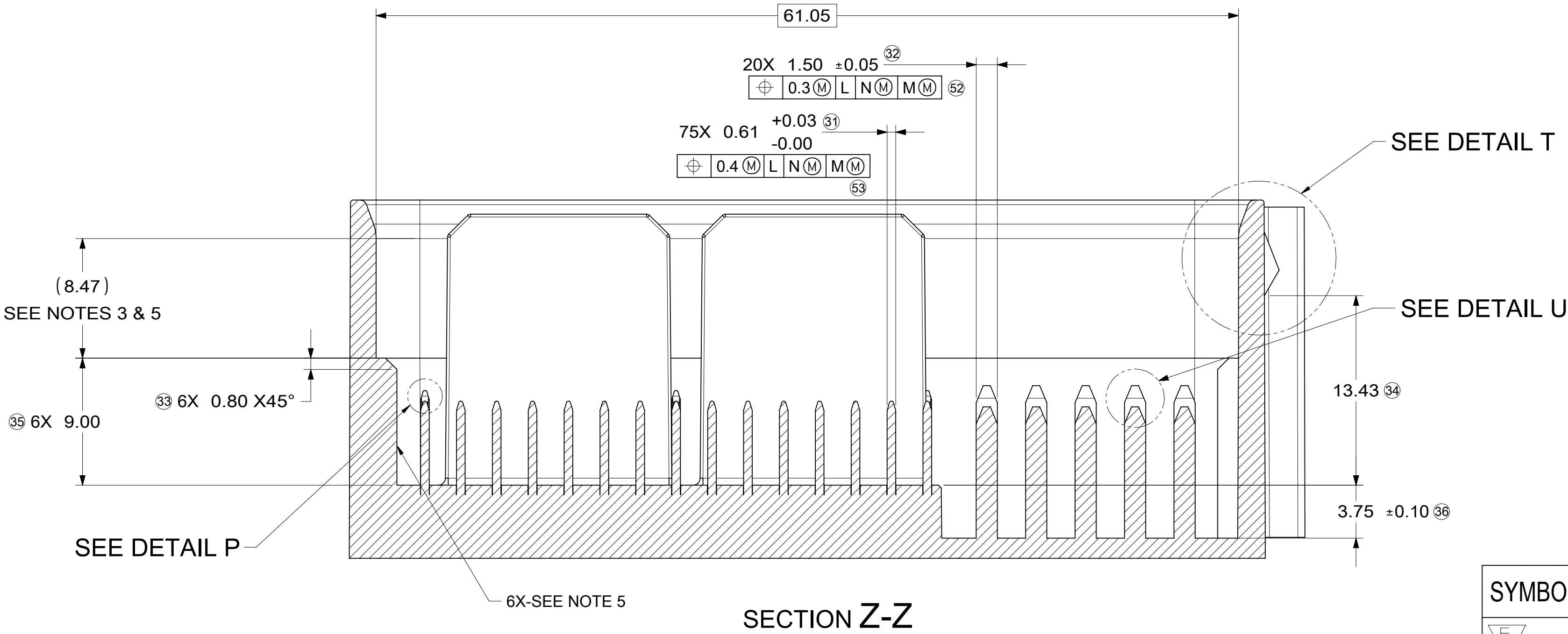
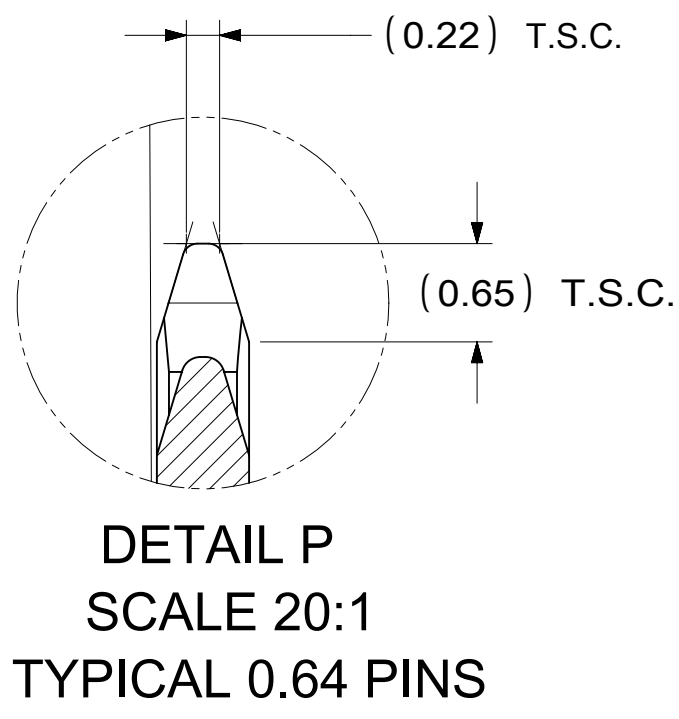
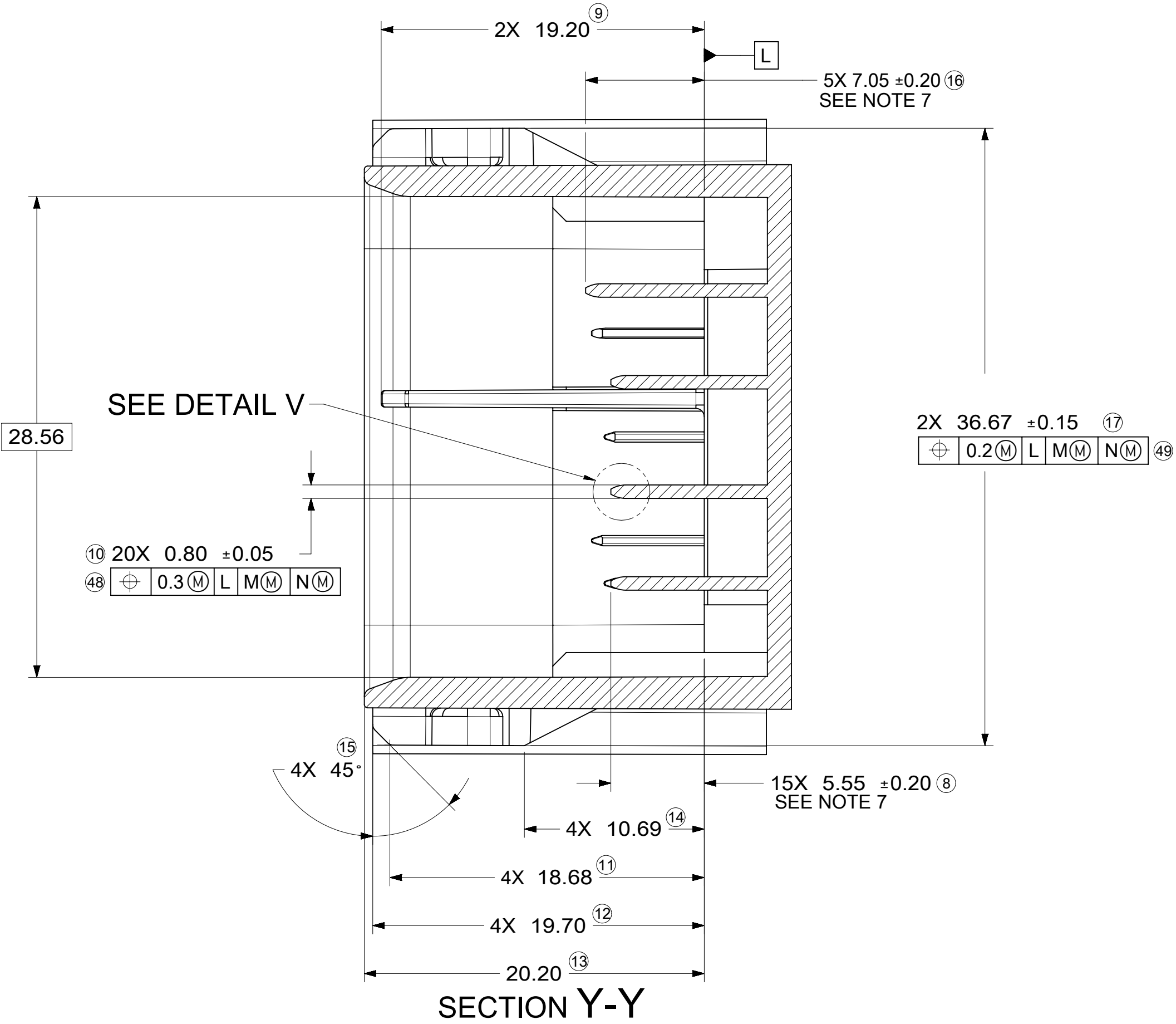
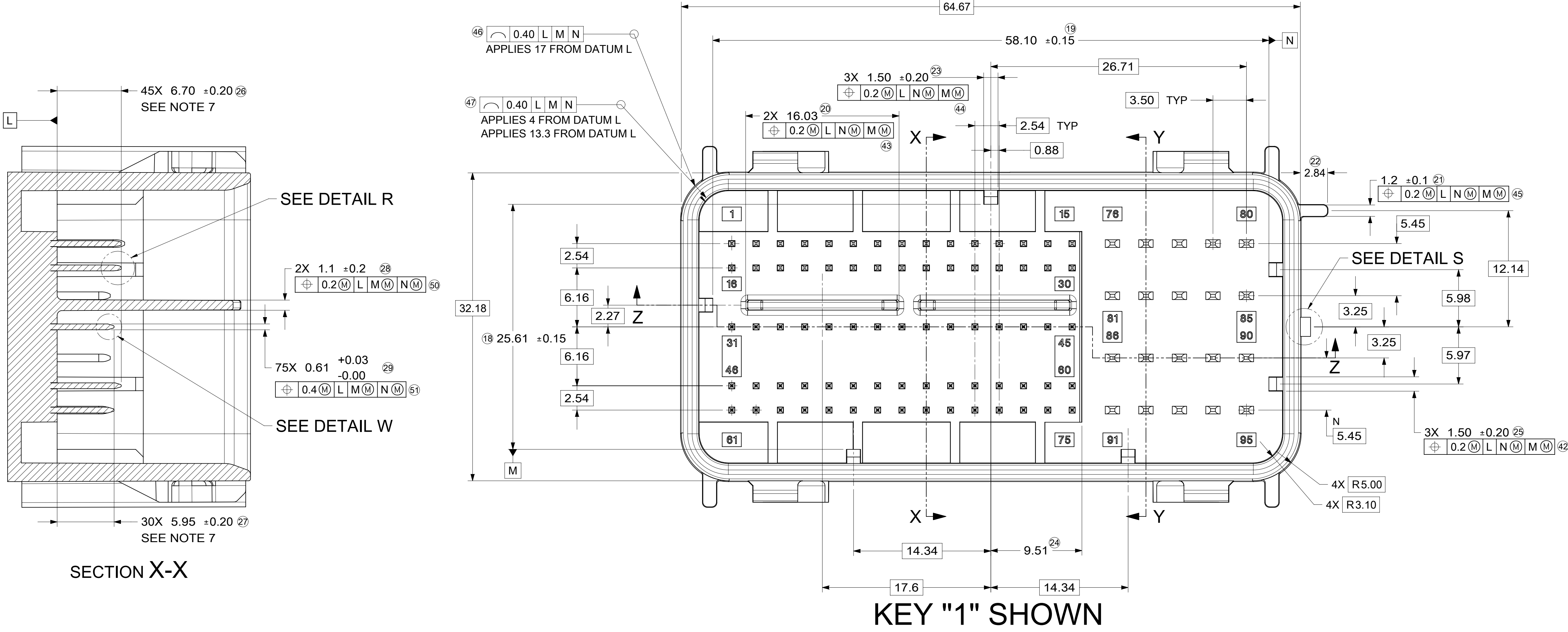
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
349920001-SD	PSD	000	A8

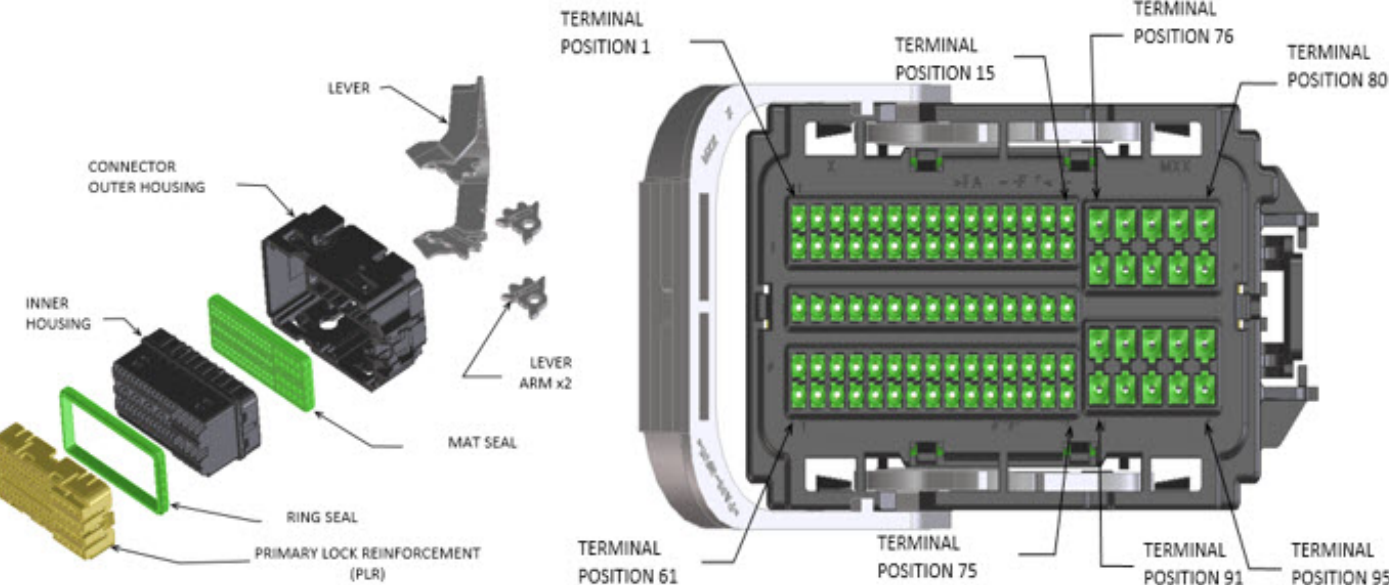
RECOMMENDED MATING INTERFACE



- NOTES FOR INTERFACE: UNLESS OTHERWISE SPECIFIED
- GENERAL TOLERANCES:
LINEAR DIMENSIONS: ± 0.20
ANGULAR DIMENSIONS: $\pm 3^\circ$
 - DRAFT ANGLE PERMISSIBLE ONLY WITHIN DRAWING TOLERANCE.
 - SEAL SURFACE. NO WITNESS LINES OR IMPERFECTIONS PERMITTED IN THIS AREA.
 - ALL UNMARKED RADII TO BE 0.5 MAX. UNLESS OTHERWISE SPECIFIED.
 - ZERO DRAFT AREA
 - CONNECTION SYSTEM VALIDATED TO USCAR2, REVISION 5
 - PIN ROW HEIGHTS ARE INTENTIONALLY OFFSET
- POWER CONTACT PIN NOTES: (1.5 CIRCUITS)
- MATERIAL: Cu ALLOY
WITH TENSILE STRENGTH $> 410 \text{ N/mm}^2$
ELECTRICAL CONDUCTANCE $> 16 \text{ Sm/mm}^2$
($> 28\% \text{ IACS}$ at 20°C)
 - BASE PLATING: $1.25\text{--}2.25\mu\text{m Ni}$ OVERALL.
 - REFLOW TIN PLATING: $2.5\text{--}4.0\mu\text{m}$ OVERALL.
 - CONTACT MUST BE FREE OF BURRS AND SHARP EDGES.
 - PROCESS COMPONENTS IN A LOW-SULFUR ENVIRONMENT AND AVOID CONTACT WITH MATERIALS THAT TRANSFER SULFUR TO THE ENVIRONMENT.
- SIGNAL CONTACT PIN NOTES: (0.64 CIRCUITS)
- MATERIAL: Cu ALLOY
WITH TENSILE STRENGTH $> 410 \text{ N/mm}^2$
ELECTRICAL CONDUCTANCE $> 16 \text{ Sm/mm}^2$
($> 28\% \text{ IACS}$ at 20°C)
 - BASE PLATING: $1.25\text{--}2.5\mu\text{m Ni}$ OVERALL.
 - SILVER PLATING $2\text{--}4\mu\text{m Ag}$ WITH TARNISH RESISTANT TREATMENT APPLIED TO THE ENTIRE SILVER SURFACE.
 - CONTACT MUST BE FREE OF BURRS AND SHARP EDGES.
 - FOR SILVER PLATING: ELECTRICAL PERFORMANCE IS NOT AFFECTED BY GREY OR BLACK TARNISH ON THE SILVER PLATING SURFACE. ACCEPTABLE SILVER PIN SURFACES CAN INCLUDE GREY OR BLACK TARNISH.
 - PROCESS COMPONENTS IN A LOW-SULFUR ENVIRONMENT AND AVOID CONTACT WITH MATERIALS THAT TRANSFER SULFUR TO THE ENVIRONMENT.



SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	= 0	DIMENSION UNITS	SCALE
	= 0	mm	4:1
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	= 0	ANGULAR TOL	±
	= 0	4 PLACES	±
	= 0	3 PLACES	±
	= 0	2 PLACES	±
	= 0	1 PLACE	±
	= 0	0 PLACES	±
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	= 0	THIRD ANGLE PROJECTION	
	= 0	E-SIZE	
	= 0	SERIES	
	= 0	34992	
		CURRENT REV DESC: NOTE AND TABLE UPDATED	
		EC NO: 677806	
		DRWN: NBOHIDAR 2021/09/15	
		CHK'D: BDICK01 2021/09/28	
		APPR: BDICK01 2021/09/28	
		INITIAL REVISION:	
		DRWN: NBOHIDAR 2018/09/01	
		APPR: APROFFITT 2018/09/07	
		MATERIAL NUMBER	
		349920001-SD	
		DOC TYPE	
		PSD	
		DOC PART	
		000	
		REVISION	
		A8	
		SHEET NUMBER	
		3 OF 3	



BOM AND PIN OUT SHEET

ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
1-BLACK	OUTER HOUSING KEYING OPTION 1	BLACK	PA66 GF35
2-BLACK	OUTER HOUSING KEYING OPTION 2	BLACK	PA66 GF35
3-BLACK	OUTER HOUSING KEYING OPTION 3	BLACK	PA66 GF35
4-BLACK	OUTER HOUSING KEYING OPTION 4	BLACK	PA66 GF35
5-BLACK	OUTER HOUSING KEYING OPTION 5	BLACK	PA66 GF35
NIL - GRAY	OUTER HOUSING KEYING OPTION NIL	GRAY	PA66 GF35
IH	INNER HOUSING	BLACK	PA66 GF35
PLR	TPA/PLR	NATURAL	PA66 GF35
LE	LEVER - END LATCH	GRAY	PA66 GF35
LT	LEVER - TOP LATCH	GRAY	PA66 GF35
LA	LEVER ARM	GRAY	PA66 GF35
M	MAT SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE

FOR ADDITIONAL INFORMATION SEE 349920001-SD

LOOK AT 2032000001-SD FOR WIRE DRESS COVER OPTION

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																				STATUS	COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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