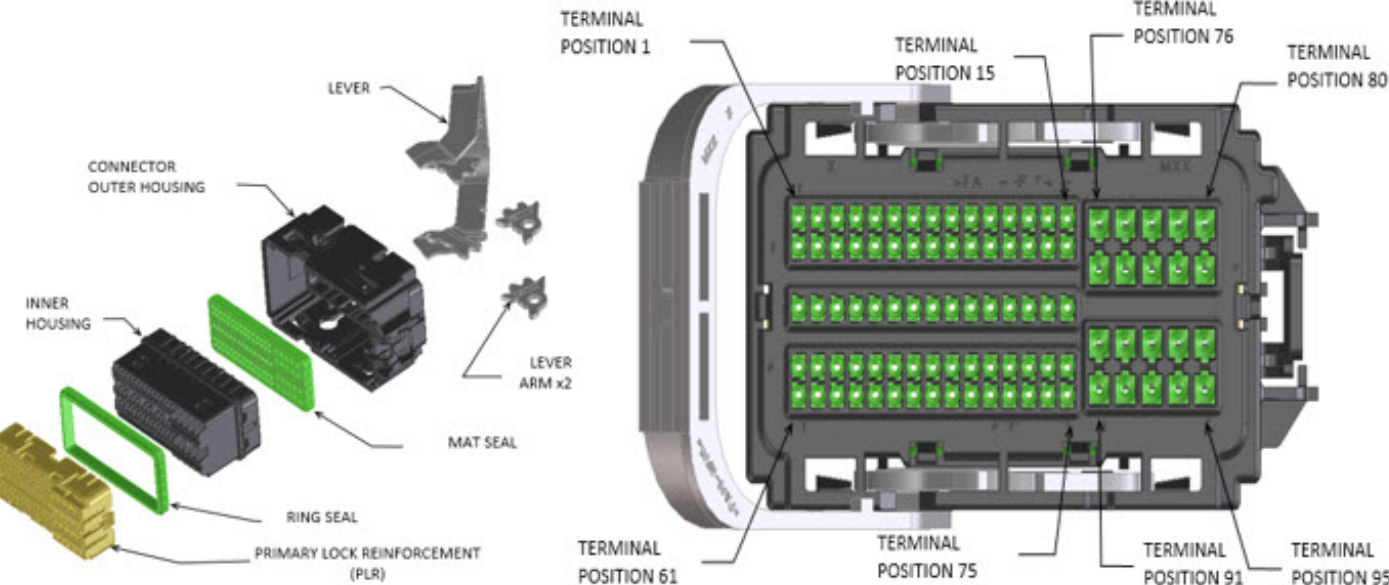




BOM AND PIN OUT SHEET

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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GPEC IV 95 WAY RECEPTACLE SEALED ASSEMBLY MAT SEAL

BOM AND PIN OUT SHEET

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GPEC RCPT CONN 95 CKT END LVR KEY 1/79	349920011	1-BLACK	IH	PLR	LE	LA	M	R	1	-	-	-	-	-	-	-	-	-	-	-	-	-	15		-	-	78	-	-	SALEABLE						
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GPEC IV 95 WAY RECEPTACLE SEALED ASSEMBLY MAT SEAL

BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																	STATUS	COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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GPEC IV 95 WAY RECEPTACLE SEALED ASSEMBLY MAT SEAL

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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/50	349925011	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	-	8	-	-	-	-	-	14	15		-	77	78	79	-	SALEABLE	
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/42	349925015	3-BLACK	IH	PLR	LT	LA	M	R	1	-	-	4	5	-	-	-	-	10	-	-	-	-	-		-	-	-	-	-	SALEABLE	
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GPEC RCPT CONN 95 CKT END LVR KEY 4/95	349926001	4-BLACK	IH	PLR	LE	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	SALEABLE	
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GPEC RCPT CONN 95 CKT END LVR KEY 4/72	349926003	4-BLACK	IH	PLR	LE	LA	M	R	-	2	-	-	-	6	7	-	-	-	11	12	13	14	-		-	-	-	-	-	SALEABLE	
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GPEC RCPT CONN 95 CKT END LVR KEY 4/63	349926004	4-BLACK	IH	PLR	LE	LA	M	R	-	2	-	-	5	6	7	-	-	-	11	12	13	14	-		-	-	78	-	-	SALEABLE	
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/95	349927001	4-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	SALEABLE	
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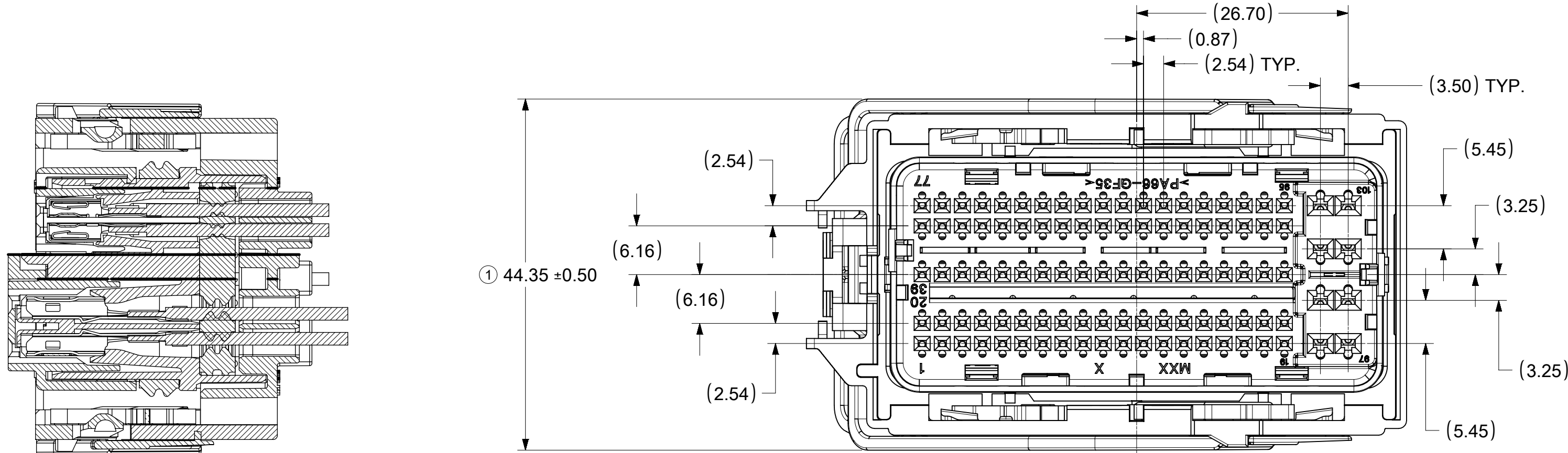
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GPEC RCPT CONN 95 CKT TOP LVR KEY 5/95	349929001	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

molex

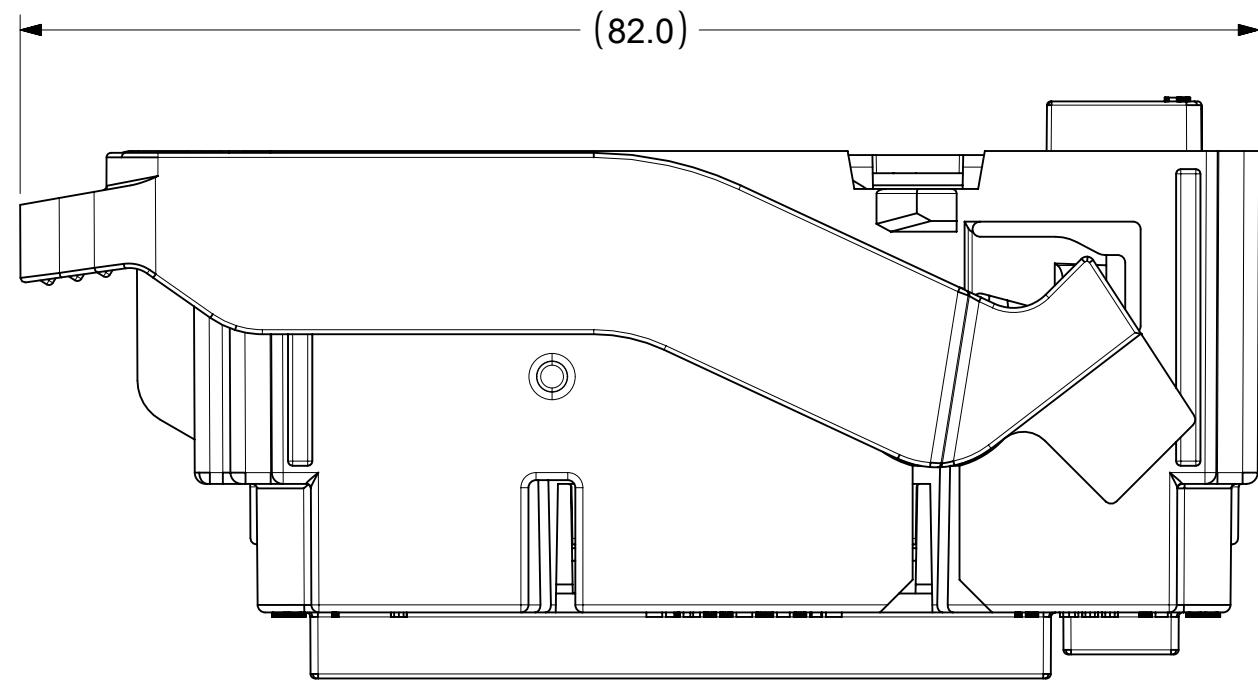
GPEC IV 95 WAY RECEPTACLE SEALED ASSEMBLY MAT SEAL

BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																		STATUS	COMMENTS	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.							CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																				
		OUTER HOUSING KEY/COLOR	INNER HOUSING	PLR	LEVER	LEVER ARM (x/2)	MAT SEAL	RING SEAL																					
GPEC RCPT CONN 95 CKT TOP LVR KEY 5/51	349929011	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE			
									-	-	18	19	-	21	-	23	24	25	26	27	-	-	-	-	-			-	
									31	-	-	-	-	-	37	38	39	-	41	-	43	44	-	-	-			-	-
									-	-	48	49	-	-	52	-	54	55	56	-	58	59	60	-	-			-	-
									61	62	63	64	65	66	67	68	-	-	-	72	73	74	75	-	-			-	-
GPEC RCPT CONN 95 CKT TOP LVR KEY 5/54	349929012	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE			
									-	-	-	-	-	21	-	23	24	-	26	27	28	-	-	-	-			-	-
									31	-	-	-	-	-	37	38	39	-	-	42	43	44	-	-	-			-	-
									-	-	48	49	-	-	52	-	54	55	56	-	58	59	60	-	-			-	-
									61	62	63	64	65	-	67	68	-	-	-	72	73	74	75	-	-			94	-

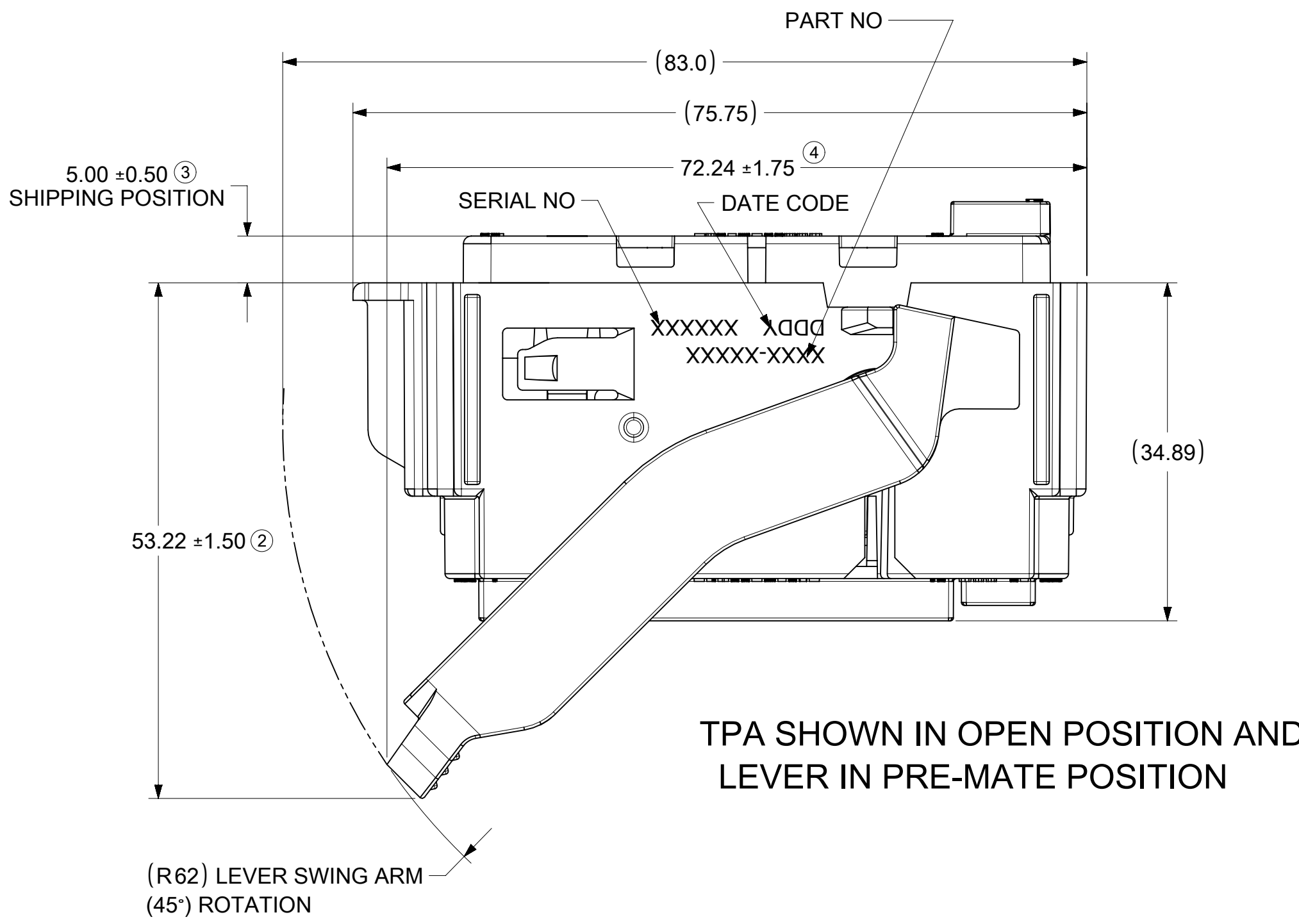


TERMINALS AND TPA SHOWN
IN FINAL LOCKED POSITION
SECTION X-X

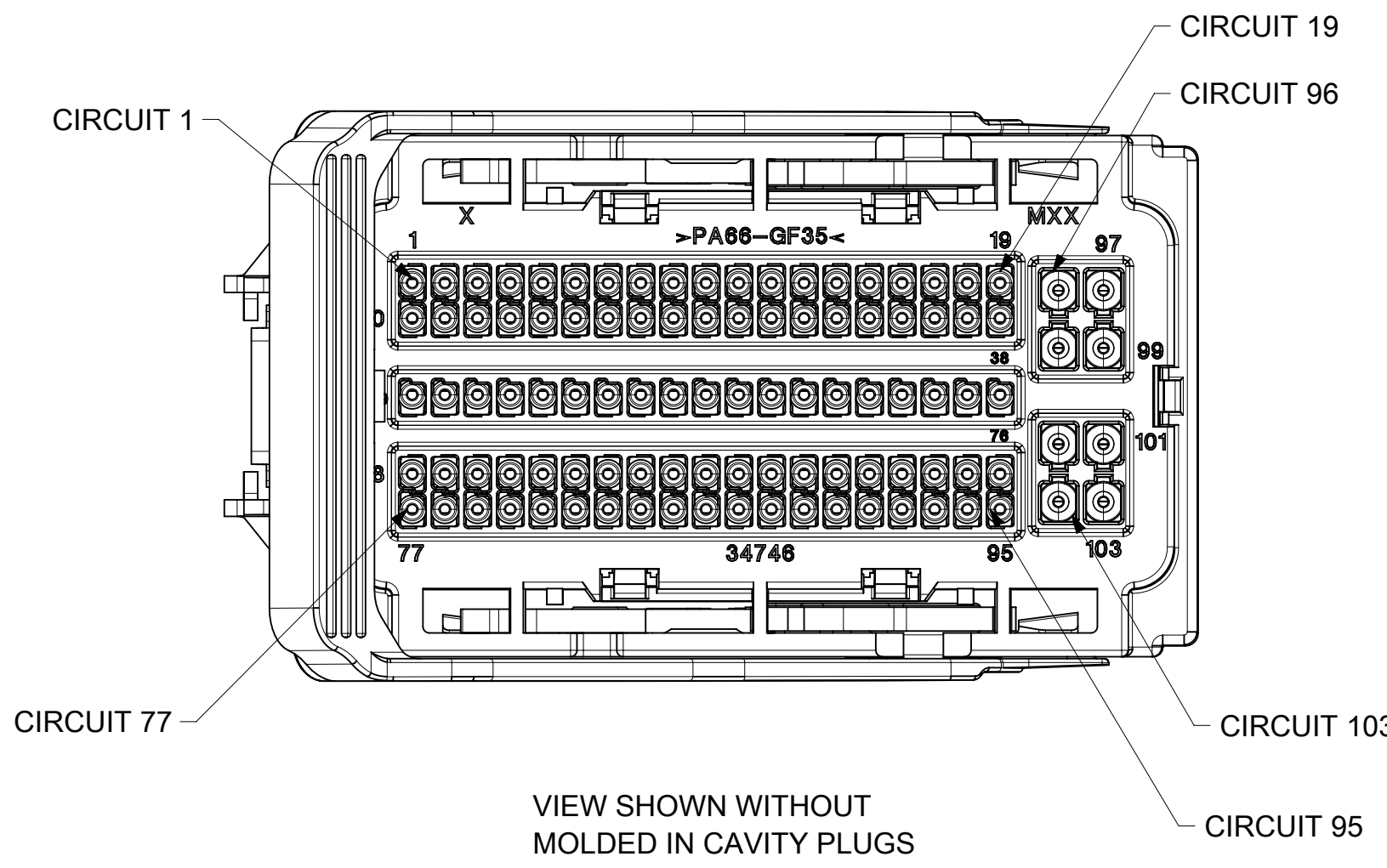


TPA SHOWN IN CLOSED POSITION
AND LEVER IN MATE POSITION

AROUND-THE-END LEVER OPTION
P/N 34993-0001, KEY 1

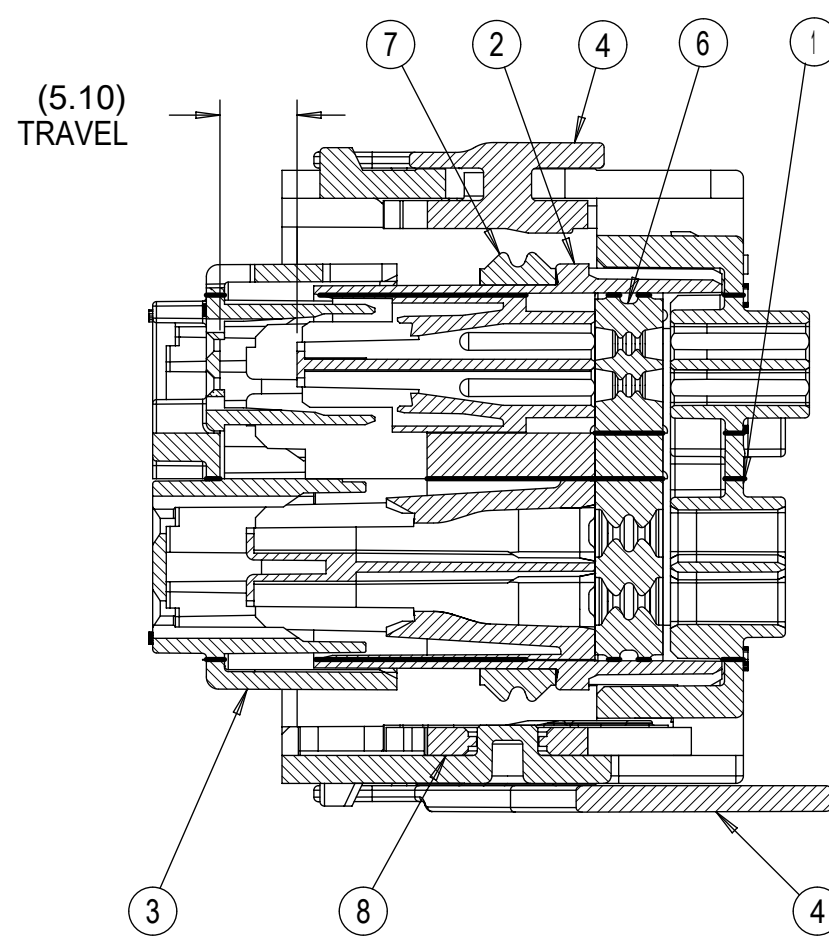


TPA SHOWN IN OPEN POSITION AND
LEVER IN PRE-MATE POSITION

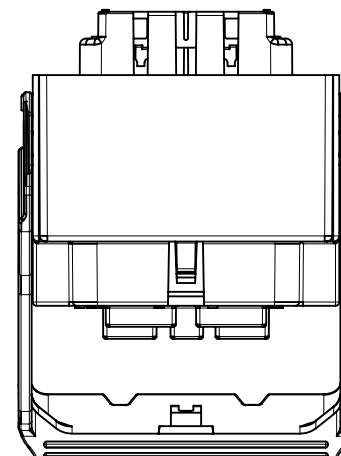
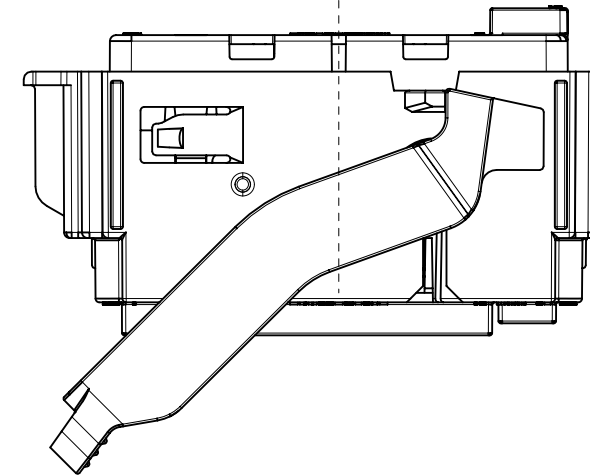
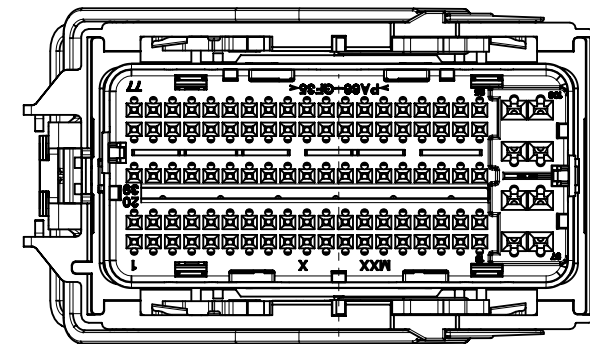
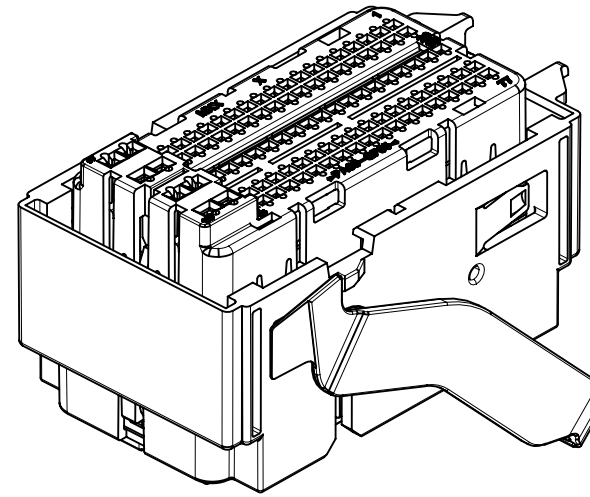


VIEW SHOWN WITHOUT
MOLDED IN CAVITY PLUGS

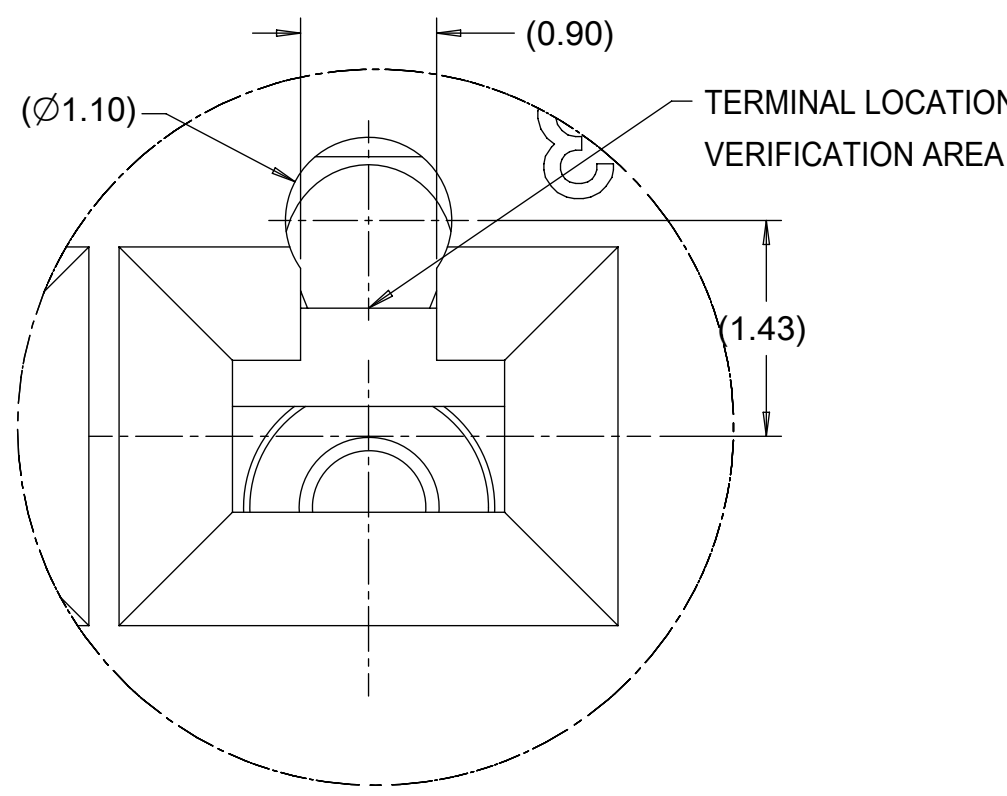
SECTION Z-Z



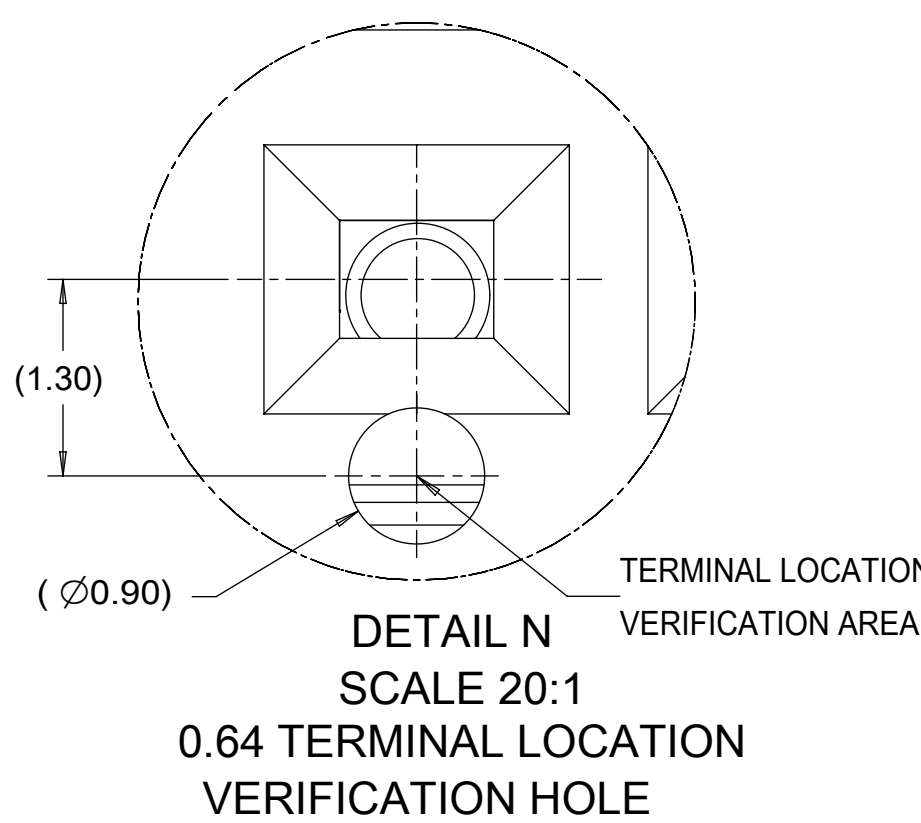
SECTION Y-Y



FULL SIZE VIEWS



DETAIL M
SCALE 20:1
1.5 TERMINAL LOCATION
VERIFICATION HOLE



DETAIL N
SCALE 20:1
0.64 TERMINAL LOCATION
VERIFICATION HOLE

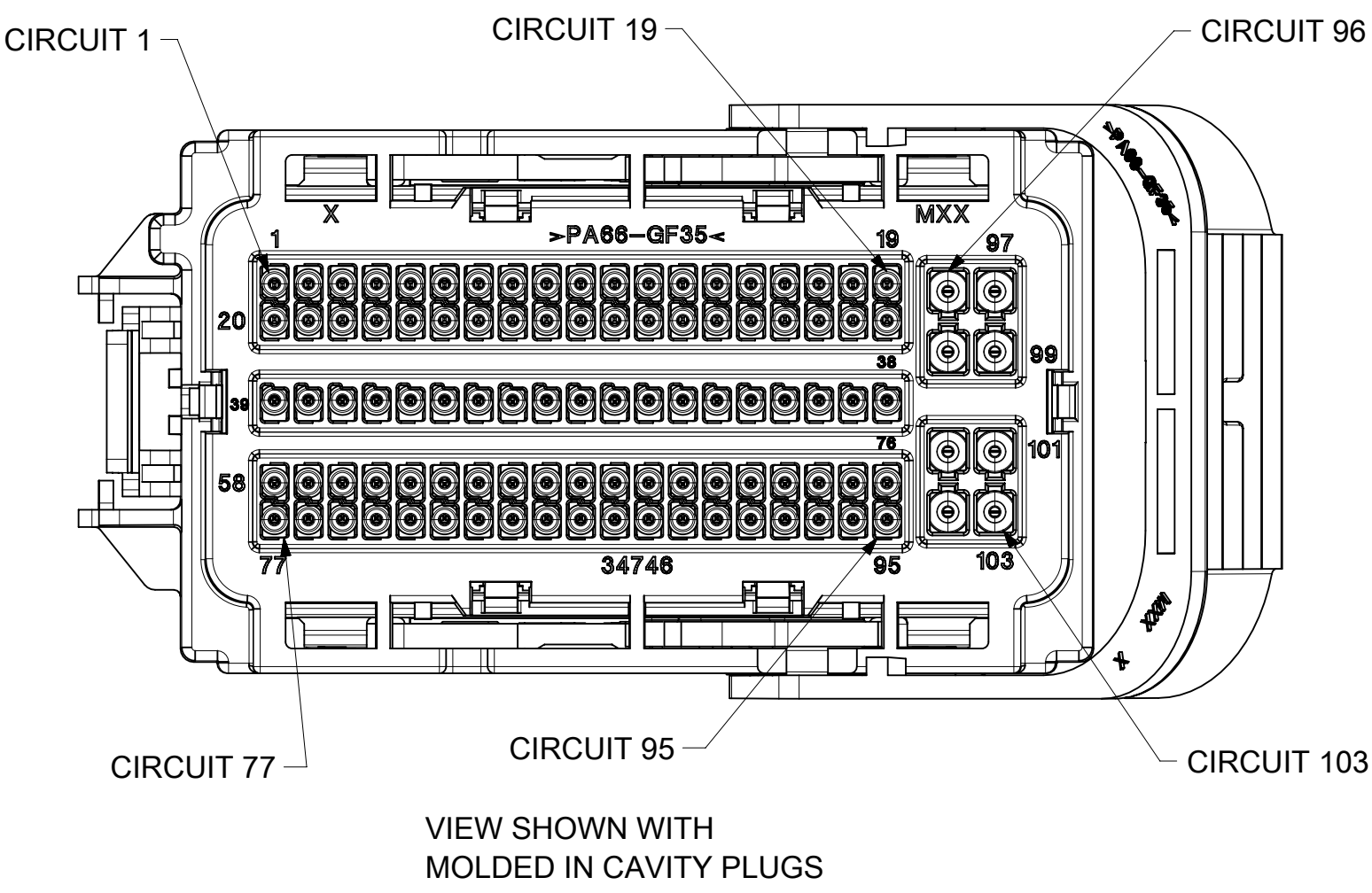
BILL OF MATERIAL																	
QTY.												ITEMS	MOLEX PART NUMBER	DESCRIPTION	COLOR	RECYCLING CODE	WEIGHT (GRAMS)
										1	1	347460501	OUTER SHROUD HOUSING KEYING OPTION "1"	BLACK	>PA66-GF35<	26.84g	
						1	1				1	347460502	OUTER SHROUD HOUSING KEYING OPTION "2"	BLACK	>PA66-GF35<	26.84g	
			1	1							1	347460503	OUTER SHROUD HOUSING KEYING OPTION "3"	BLACK	>PA66-GF35<	26.84g	
		1	1								1	347460504	OUTER SHROUD HOUSING KEYING OPTION "4"	BLACK	>PA66-GF35<	26.84g	
1	1										1	347460505	OUTER SHROUD HOUSING KEYING OPTION "5"	BLACK	>PA66-GF35<	26.84g	
1	1	1	1	1	1	1	1	1	1	1	2	347460300	CAVITY SECTION HOUSING	BLACK	>PA66-GF35<	19.71g	
1	1	1	1	1	1	1	1	1	1	1	3	349930401	TPA	NATURAL	>PA66-GF35<	7.50g	
		1		1			1			1	4	347450801	MATE ASSIST LEVER END LATCH	GRAY	>PA66-GF35<	6.54g	
1		1		1		1				1	5	347450802	MATE ASSIST LEVER OVER-THE-TOP	GRAY	>PA66-GF35<	6.10g	
1	1	1	1	1	1	1	1	1	1	1	6	347460600	GROMMET SEAL	LT BLUE	NA	5.97g	
1	1	1	1	1	1	1	1	1	1	1	7	347450700	INTERFACIAL SEAL	GREEN	NA	1.47g	
2	2	2	2	2	2	2	2	2	2	2	8	347450805	LEVER ARM	GRAY	>PA66-GF35<	0.55g	
349930001	349930001	349937001	349930001	349935001	349934001	349933001	349932001	349931001	349930001	MOLEX ASSY PART NUMBER	ALL CAVITY PLUGS REMOVED						

NOTES: UNLESS OTHERWISE SPECIFIED

- PART MUST CONFORM TO USCAR/SAE-2 REV 5 DATED NOV2007.
EXCEPTIONS: NONE
- THE OPERATING ENVIRONMENT CRITERIA FOR THIS CONNECTOR SYSTEM IS USCAR TEMPERATURE CLASS 3,
SEALING CLASS S3 AND VIBRATION CLASS V1.
- ASSEMBLIES WILL ONLY PASS HIGH PRESSURE SPRAY REQUIREMENTS WITH WIRE DRESS COVER ATTACHED.
- MAXIMUM LEVER ENGAGEMENT FORCE POPULATED WITH TERMINALS IS NOT TO EXCEED 75N.
- TERMINAL TPA/PLR IS SHIPPED TO HARNESS MANUFACTURER IN PRE-LOAD POSITION AS SHOWN.
- ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED,
WHEREVER 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 SUPPLIER IS REQUIRED PRIOR TO
AUTHORIZATION OF PART PRODUCTION.
- CHANGES IN DESIGN COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED
FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
- GENERAL TOLERANCE:
LINEAR DIMENSION: ±0.10
ANGULAR DIMENSION: ±3°
- 0.3 MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR
PLASTIC PARTS.
- 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, AND ASSEMBLY PART
NUMBER MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5MM MINIMUM LETTER
SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTERS AND LEGIBLE WHEREVER
PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE. MARKING MAY BE LOCATED
ON EITHER SIDE OF THE PART.
- 25% MAXIMUM REGRIND ALLOWABLE IN MOLDED COMPONENTS.
- SEE MOLEX APPLICATION SPEC AS-34992-001 FOR CONNECTOR SERVICE & USAGE INSTRUCTIONS.
- OPTIONAL WIREDRESS COVERS FOR THE AROUND-THE-END LEVER OPTION
ARE SHIPPED SEPARATELY
- WIREDRESS COVER FOR THE OVER-THE-TOP LEVER OPTION
IS SHIPPED SEPARATELY
- OPTIONAL 0.64 LOOSE PIECE PLUG, 34676-0002, IS SHIPPED SEPARATELY
- OPTIONAL 1.5 LOOSE PIECE PLUG, 34345-4001, IS SHIPPED SEPARATELY
- MOLEX MX150 TERMINAL REMOVAL TOOL P/N 63813-1500
- MOLEX 0.64 TERMINAL REMOVAL TOOL P/N 63813-3501
- TPA/PLR MUST BE REMOVED TO SERVICE THE 0.64 TERMINALS
- TPA SEATING TOOL P/N 346760200 / 346760201
SEE SHEET 2 FOR ADDITIONAL INFORMATION
- FOR PINOUT AND DRESS COVER CONFIGURATION CHART SEE DOCUMENT: 349920002-SD

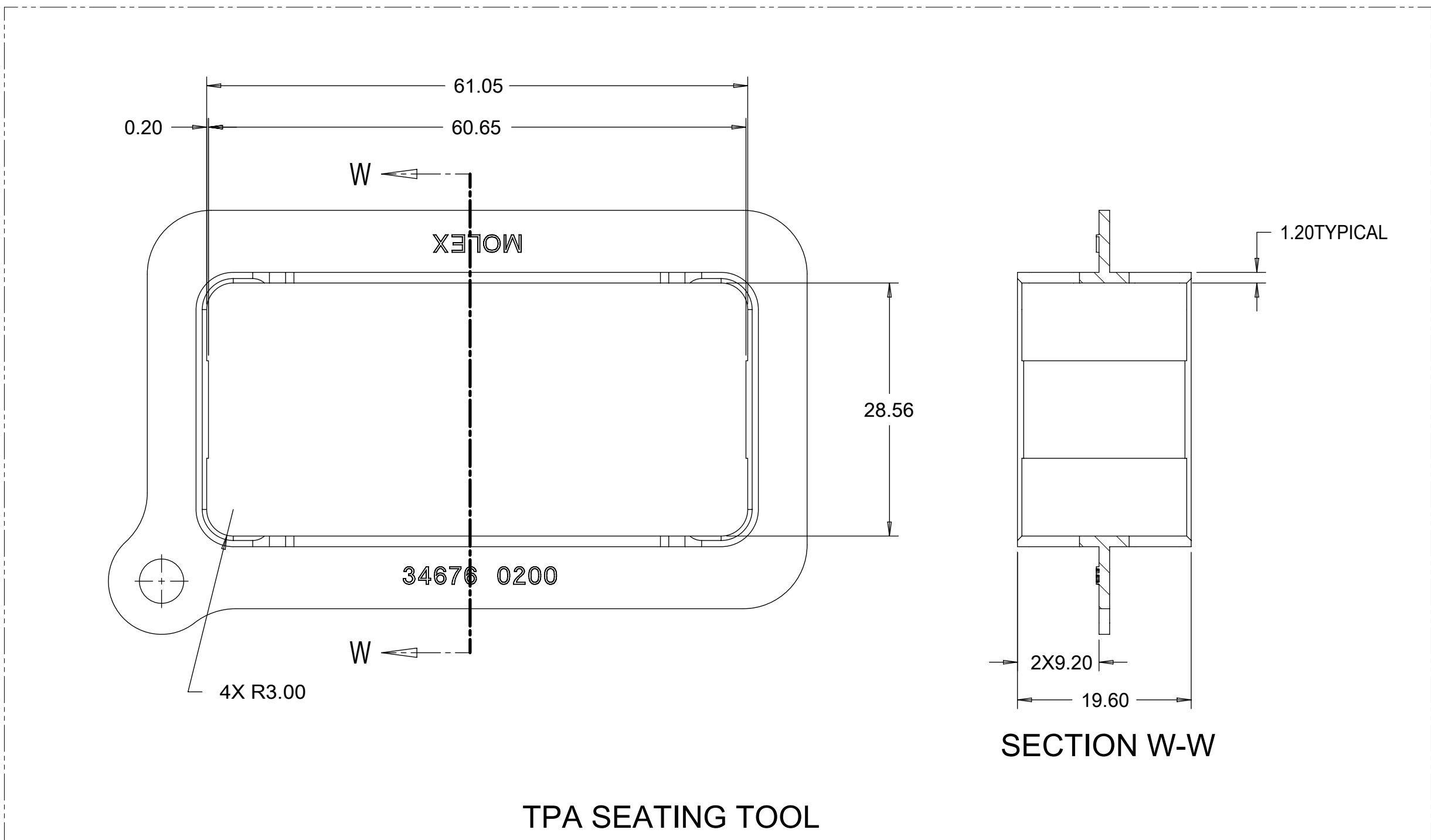
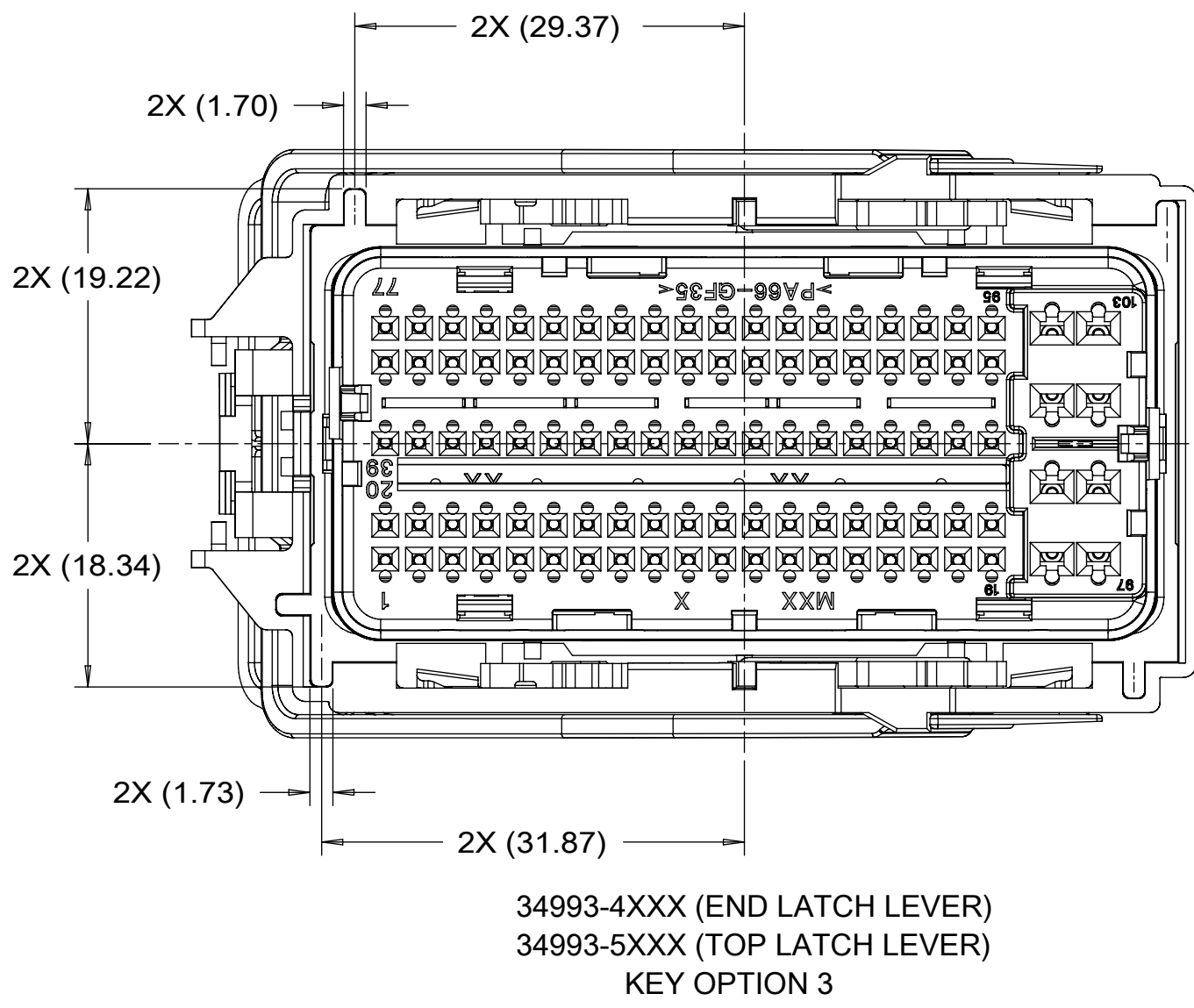
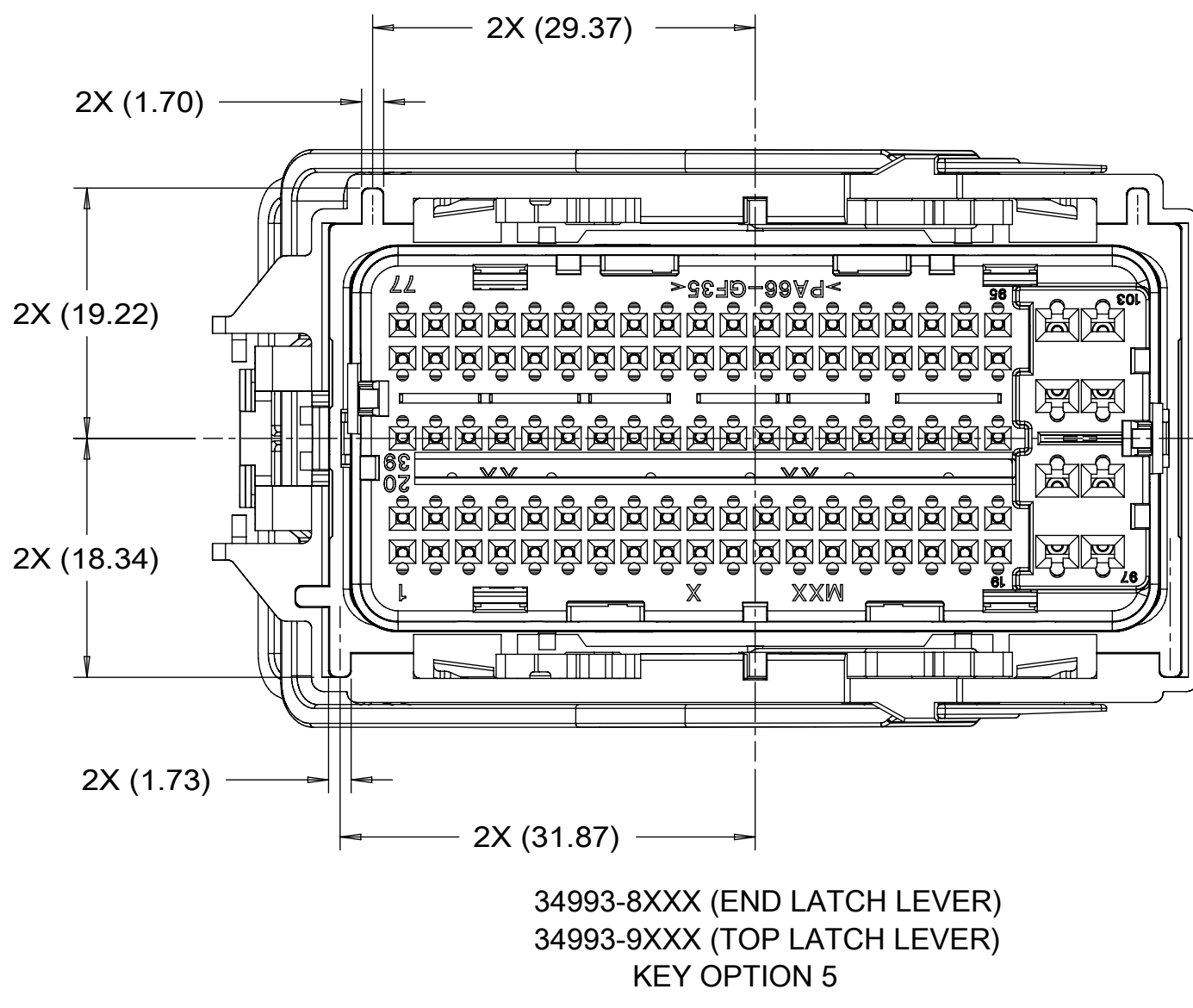
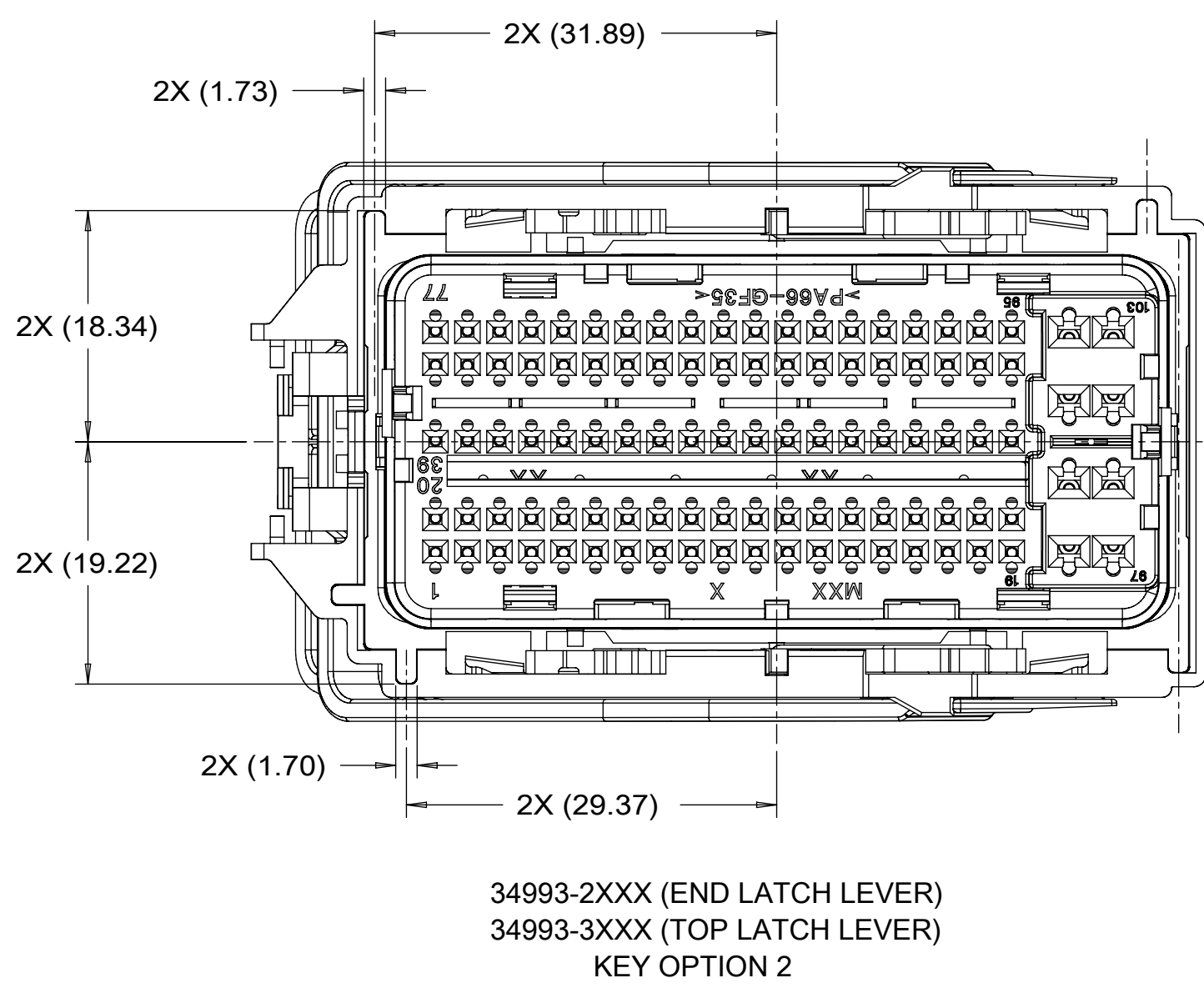
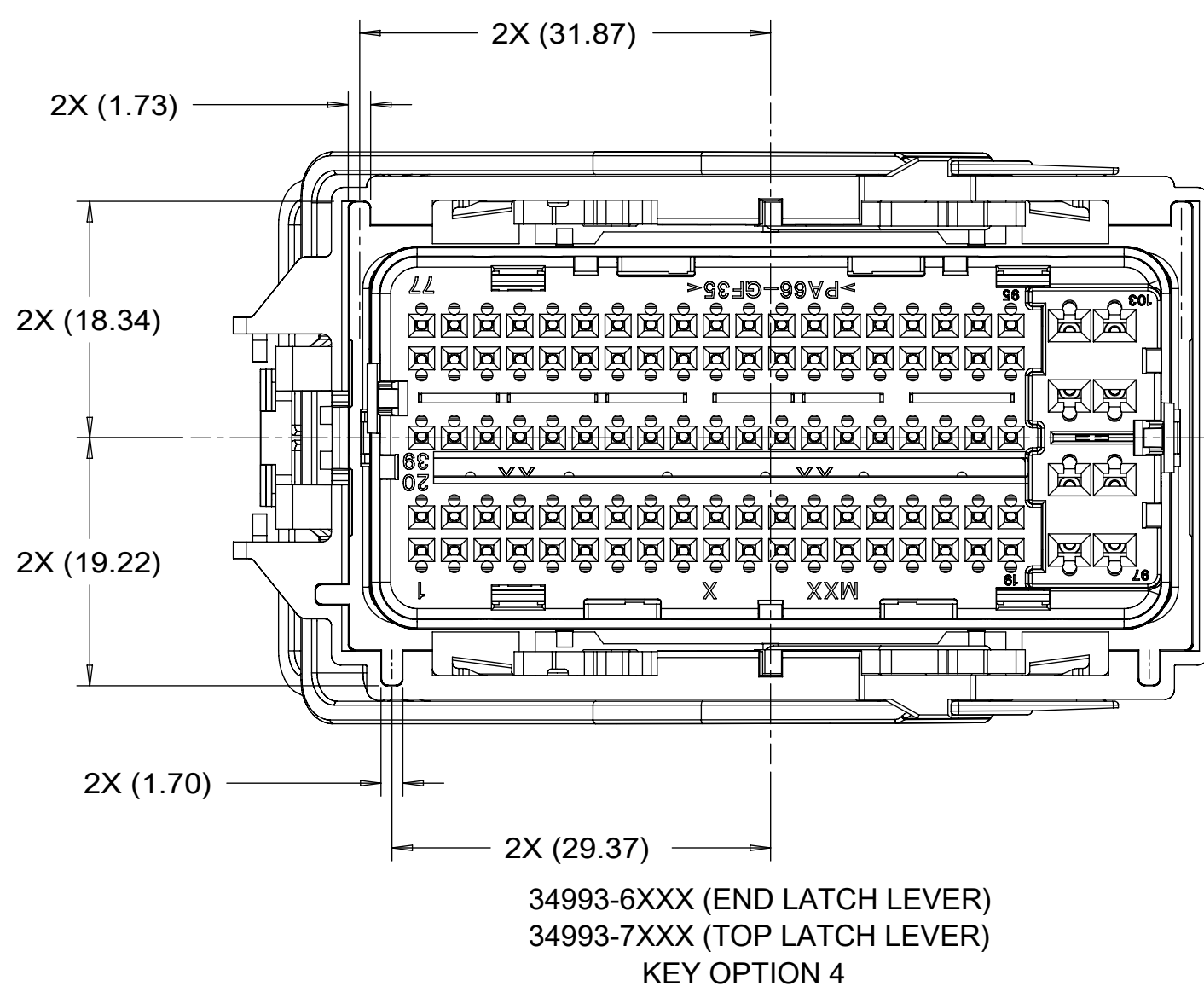
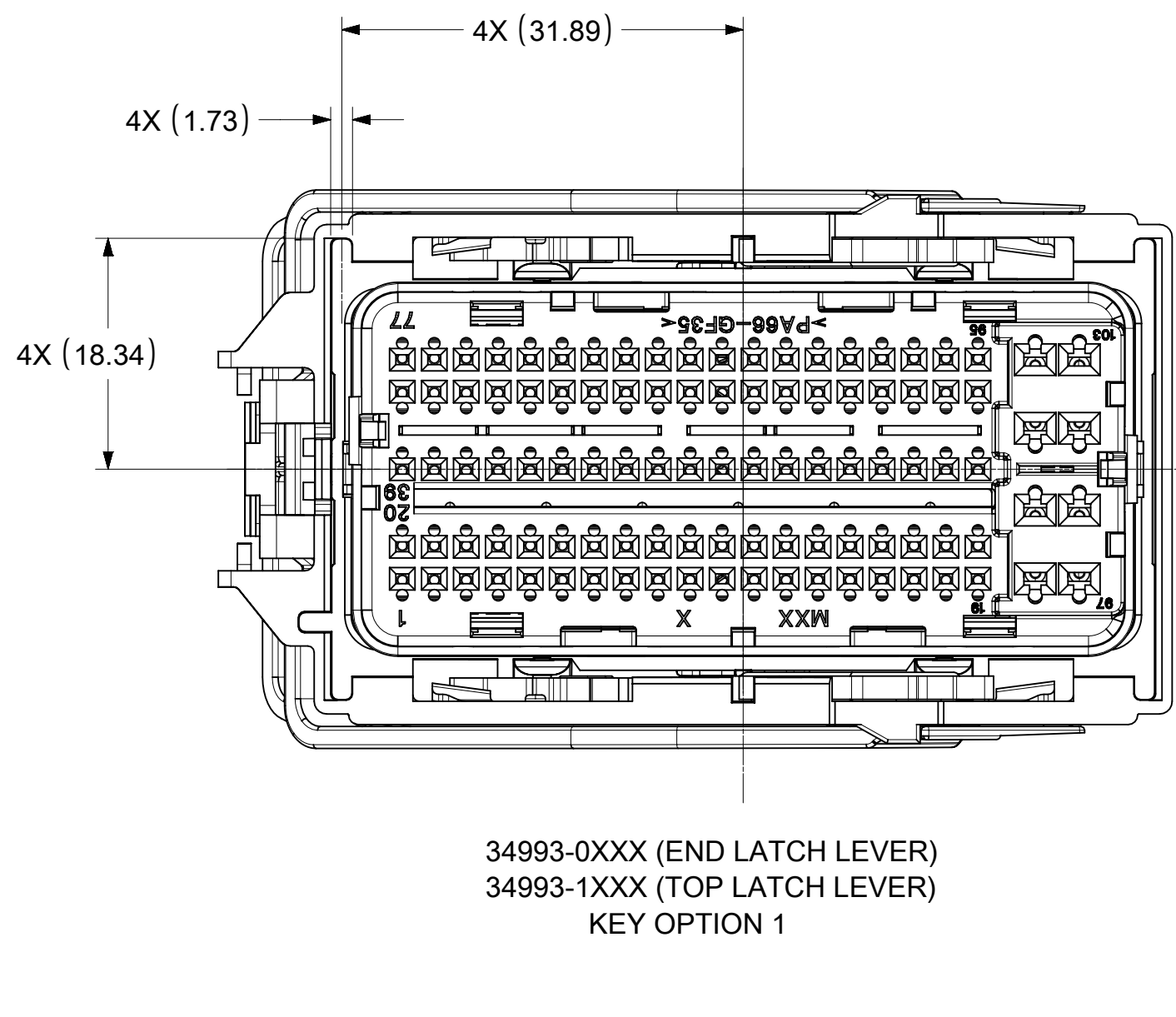
DESCRIPTION	NOMINAL TERMINAL SIZE	COLOR/ PLATING	SUPPLIER PART NUMBER	MATERIAL/SPECIFICATION NUMBER	APPLICABLE WIRE SIZE ES-AU5T-1A348-AA REV A MIL 123A
TERMINAL - FEMALE (Ag)	0.64	SILVER	2077131254	COPPER ALLOY/SILVER PLATE	0.35mm² (DIA 1.20 - 1.40) 0.50mm² (DIA 1.40 - 1.70) 0.75mm² (DIA 1.70 - 1.90)
TERMINAL - FEMALE (Ag)	0.64	SILVER	2077131354	COPPER ALLOY/SILVER PLATE	22AWG(DIA 1.50 - 1.65)
TERMINAL - FEMALE (Sn)	1.50	TIN	330122003	COPPER ALLOY/TIN PLATE	0.35mm² (DIA 1.20 - 1.40) 0.50mm² (DIA 1.40 - 1.70) 20AWG (DIA 1.70 - 1.85) 0.75mm² (DIA 1.70 - 1.90) 18AWG (DIA 1.91 - 2.06) 0.80mm²
TERMINAL - FEMALE (Sn)	1.50	TIN	330122002	COPPER ALLOY/TIN PLATE	16AWG (DIA 2.18 - 2.34) 1.50mm² (DIA 2.20 - 2.40)
TERMINAL - FEMALE (Sn)	1.50	TIN	330122001	COPPER ALLOY/TIN PLATE	-----

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: NOTE AND TABLE UPDATED	molex			
▽ = 0	DIMENSION UNITS	SCALE	GPEC IV CONNECTOR ASSEMBLY 103 CIRCUIT			
▽ = 0	mm	2:1	PRODUCT CUSTOMER DRAWING			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DOCUMENT NUMBER			
▽ = 0	ANGULAR TOL ±		DOC TYPE DOC PART REVISION			
▽ = 0	4 PLACES ±		349930001-SD			
▽ = 0	3 PLACES ±		PSD 000 A8			
▽ = 0	2 PLACES ±		MATERIAL NUMBER			
▽ = 0	1 PLACE ±		CUSTOMER			
▽ = 0	0 PLACES ±		SHEET NUMBER			
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	GENERAL MARKET			
▽ = 0		E-SIZE	1 OF 3			
▽ = 0		34993				

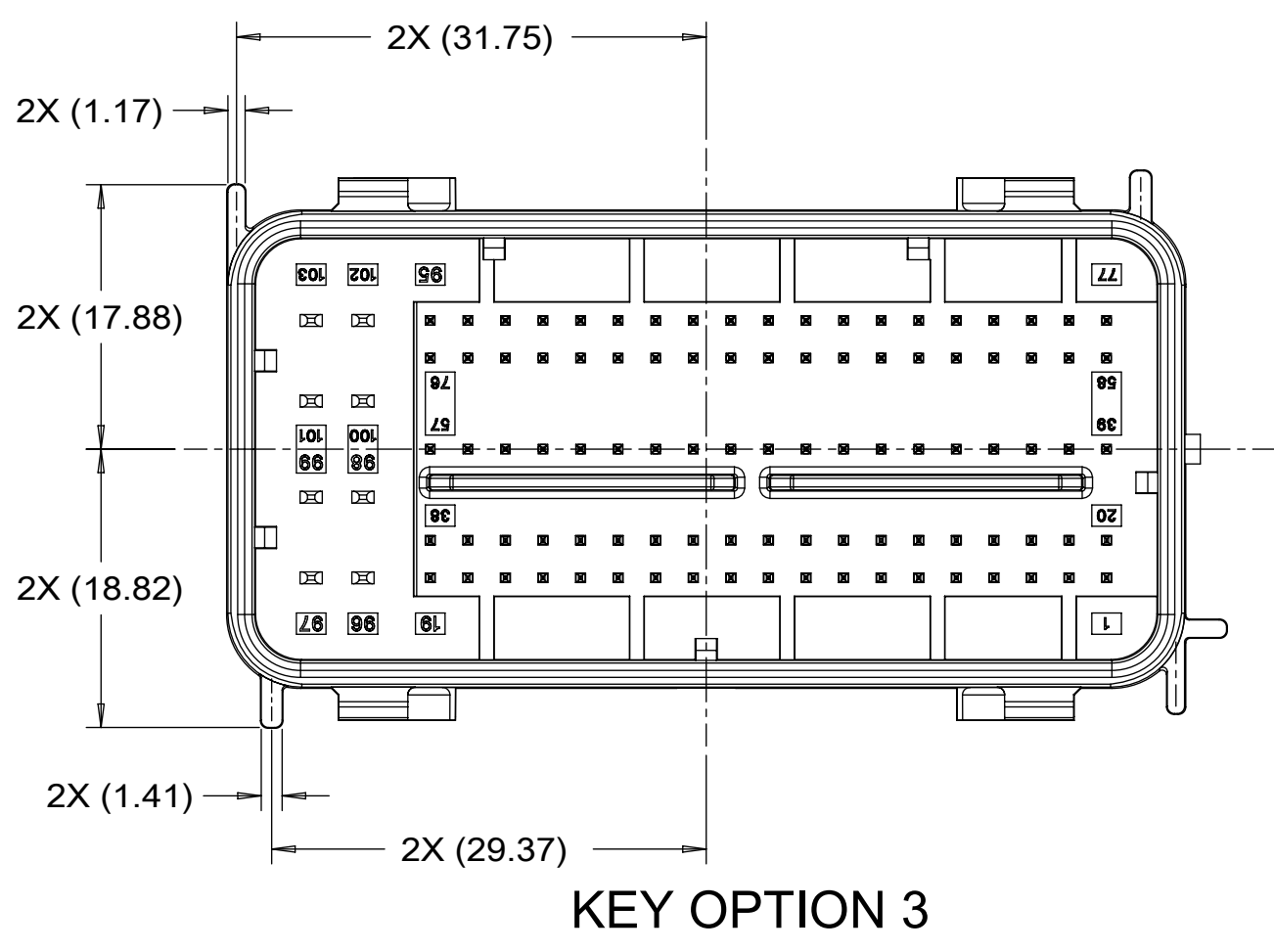
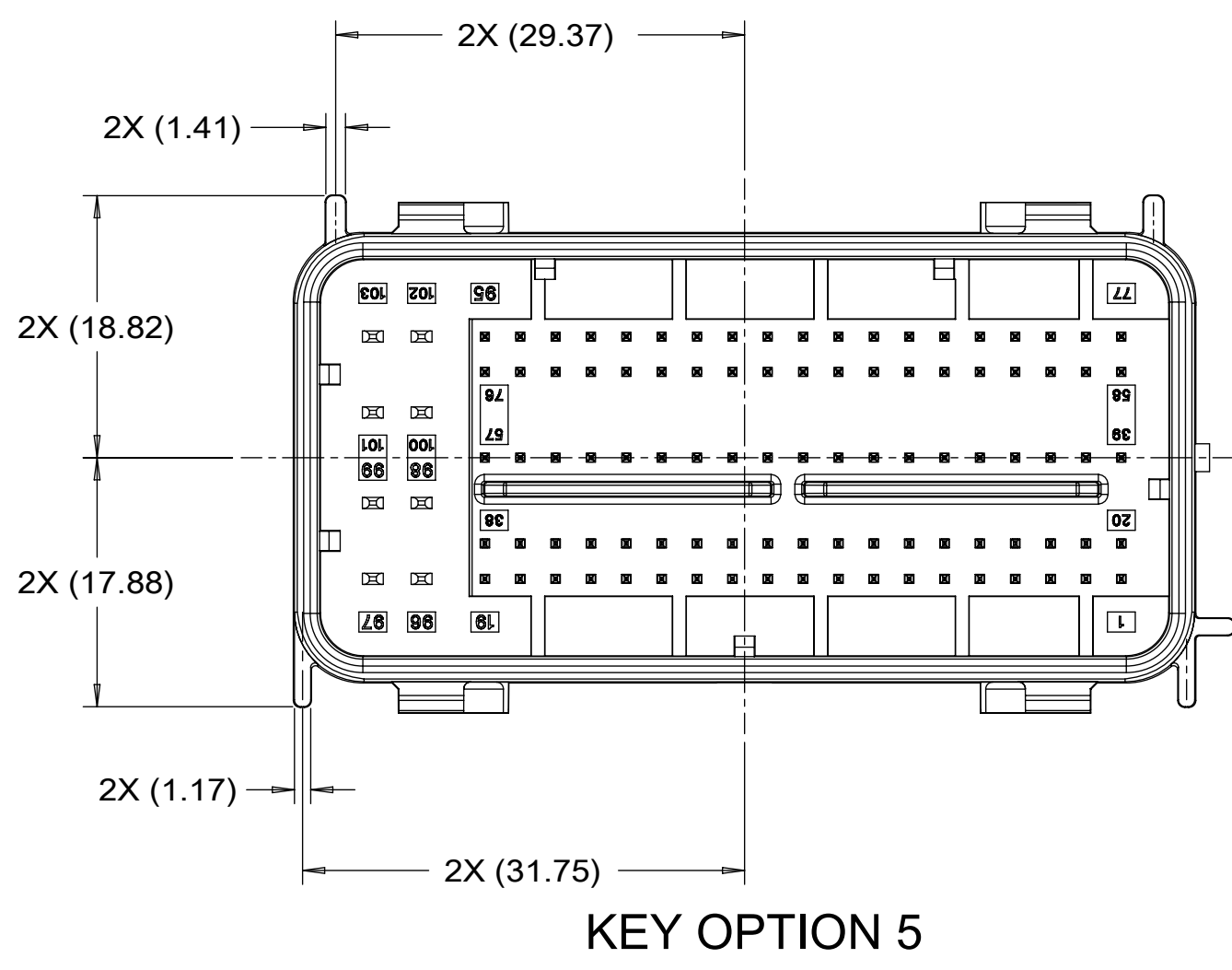
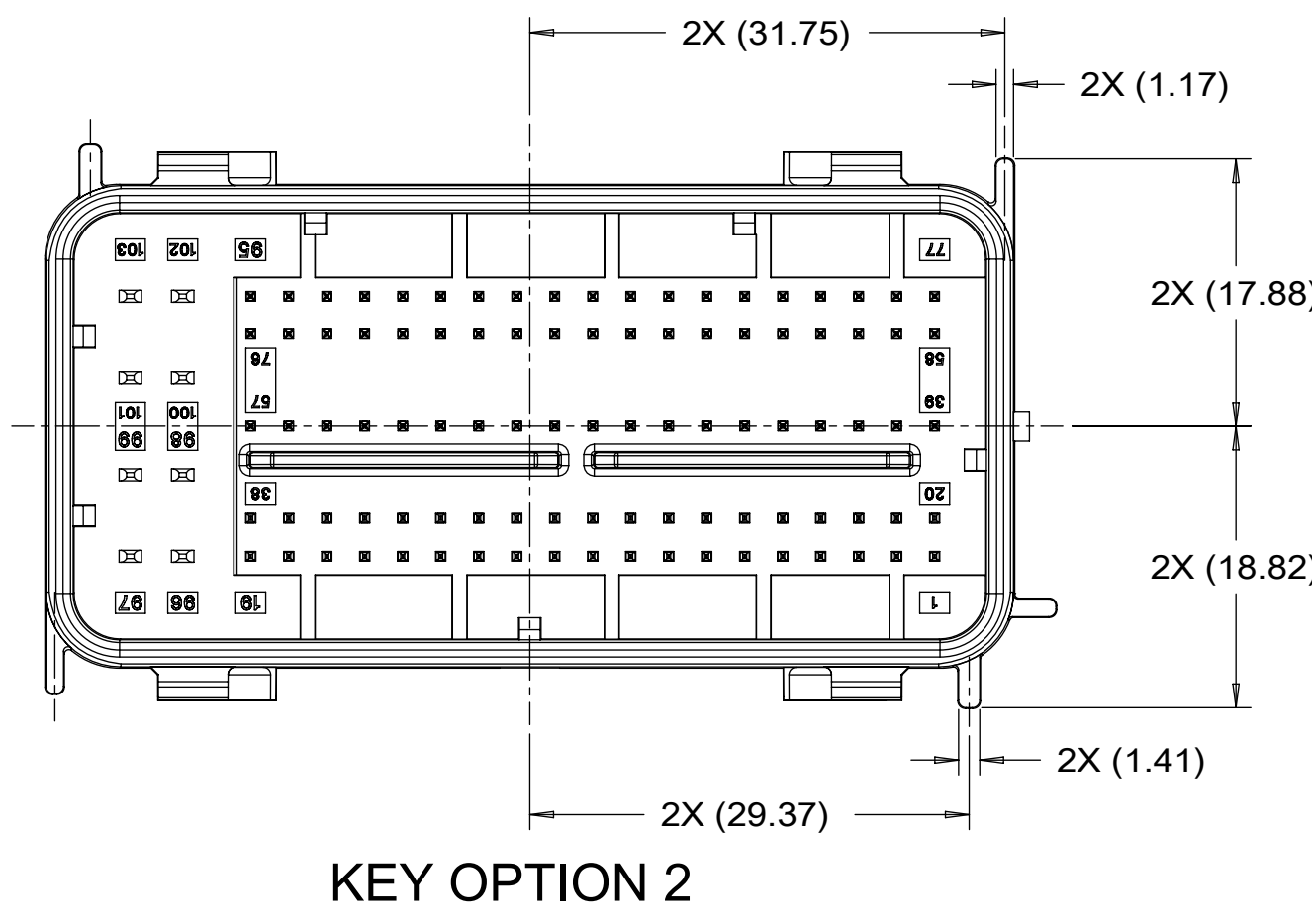
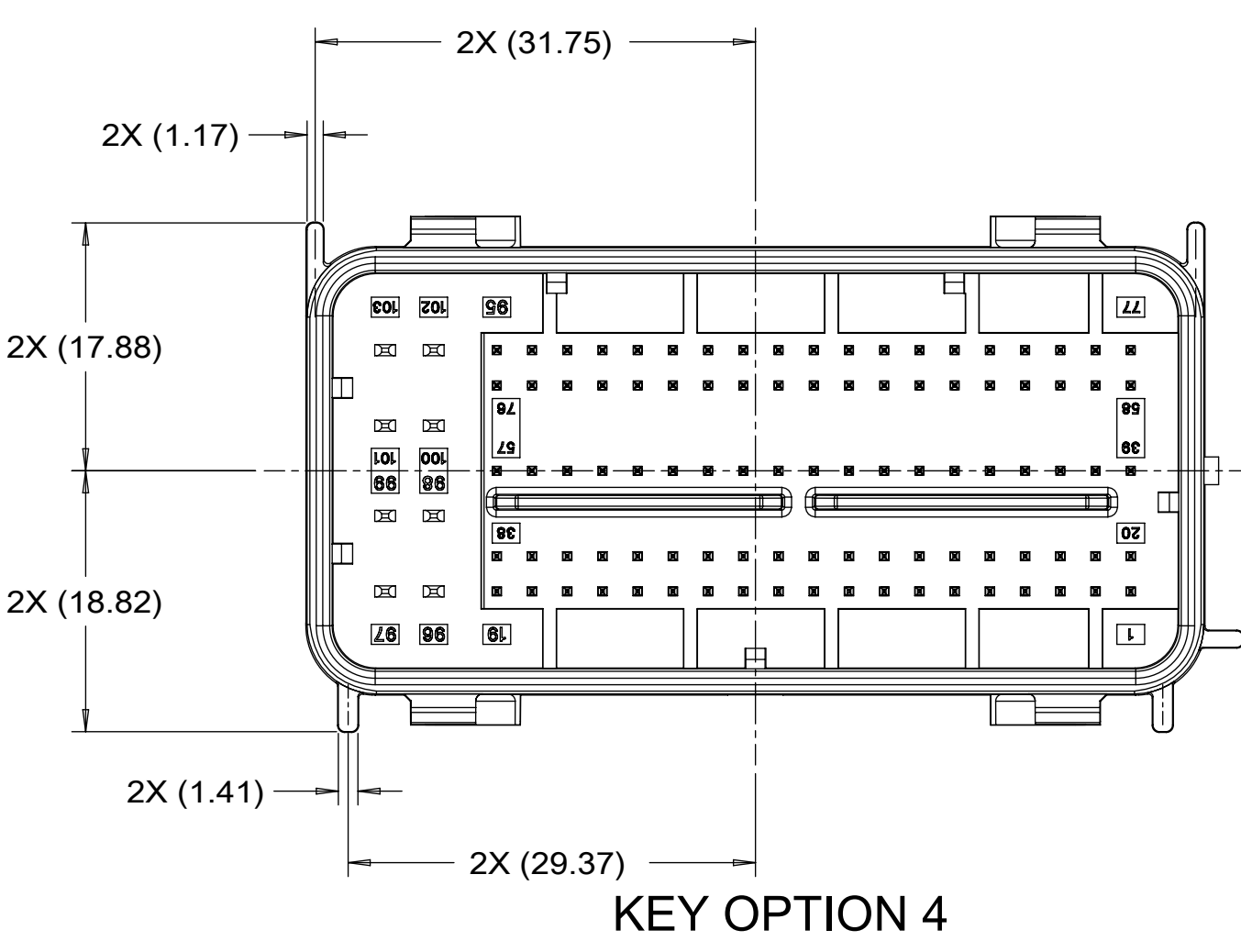
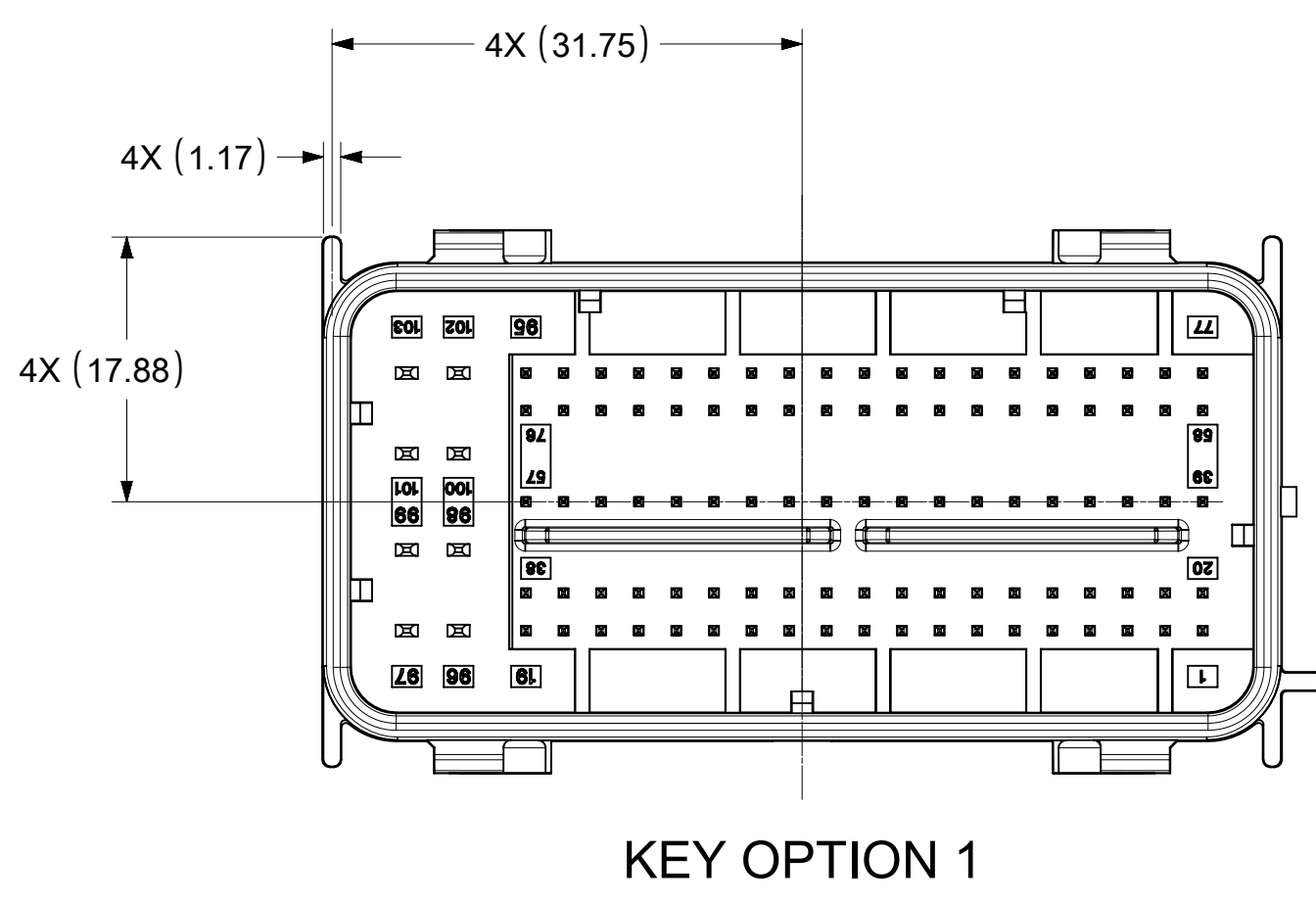


OVER-THE-TOP LEVER OPTION
P/N 34993-1001, KEY 1

KEYWAY DEFINITION

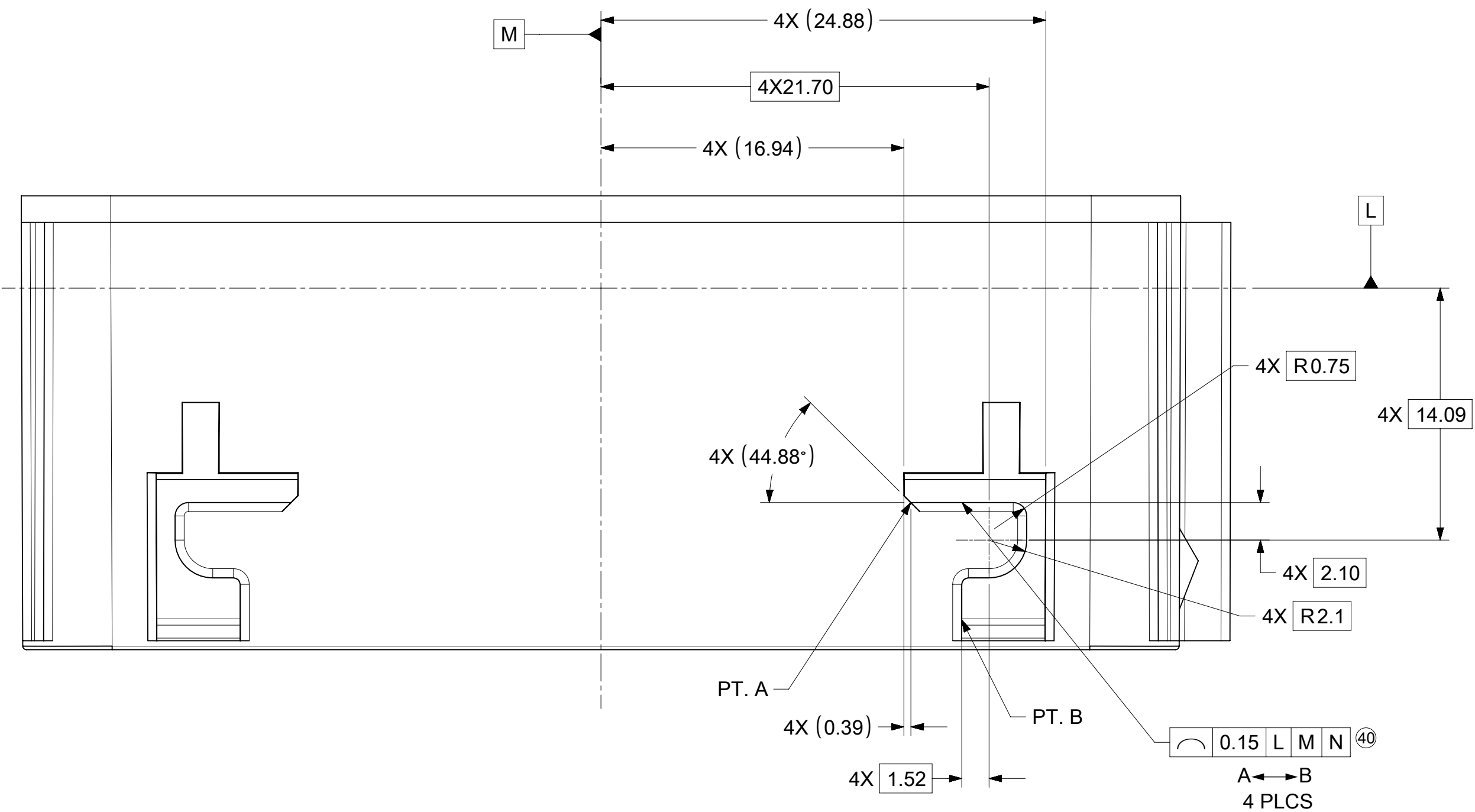
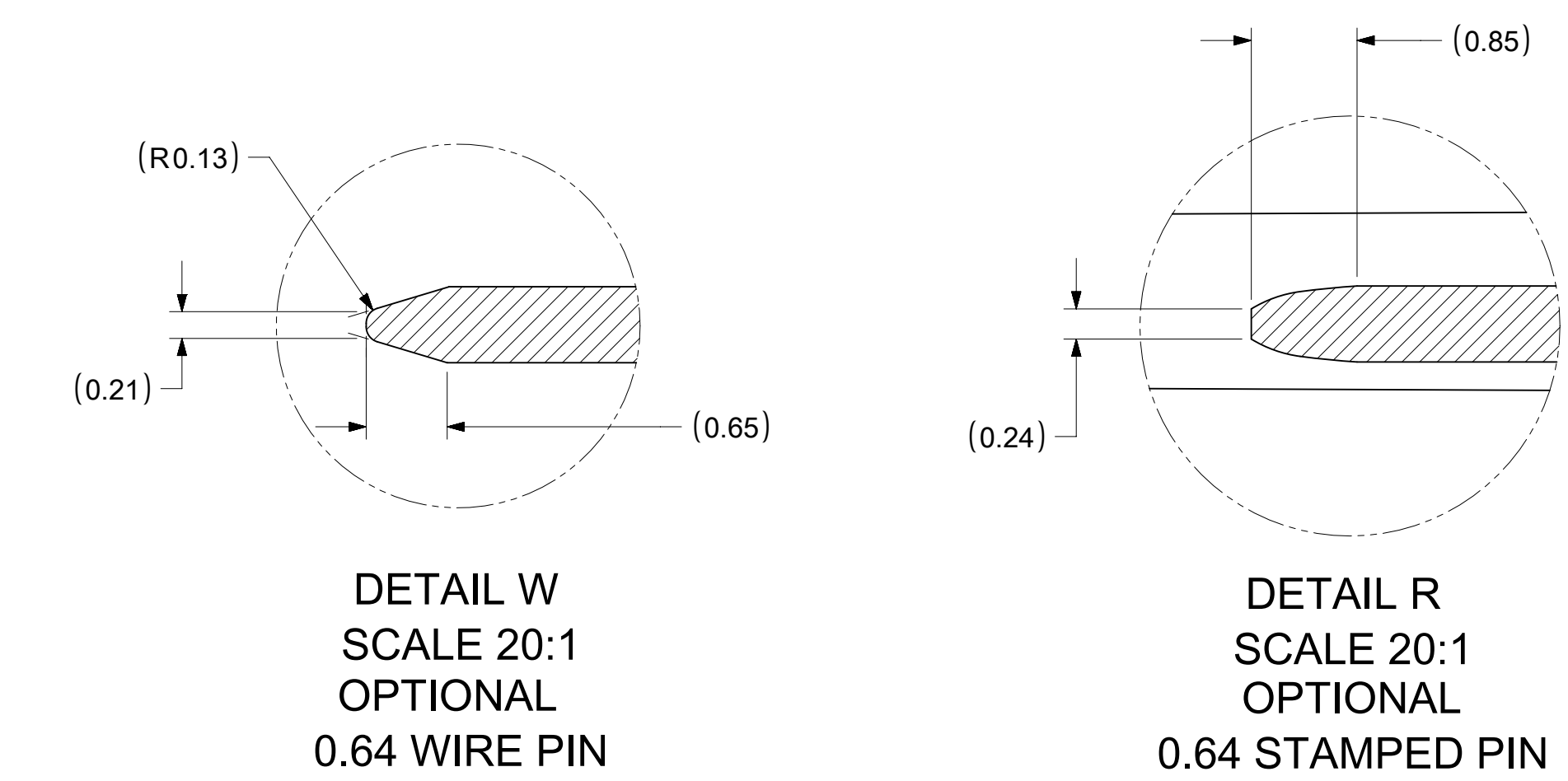


RECOMMENDED MATING INTERFACE

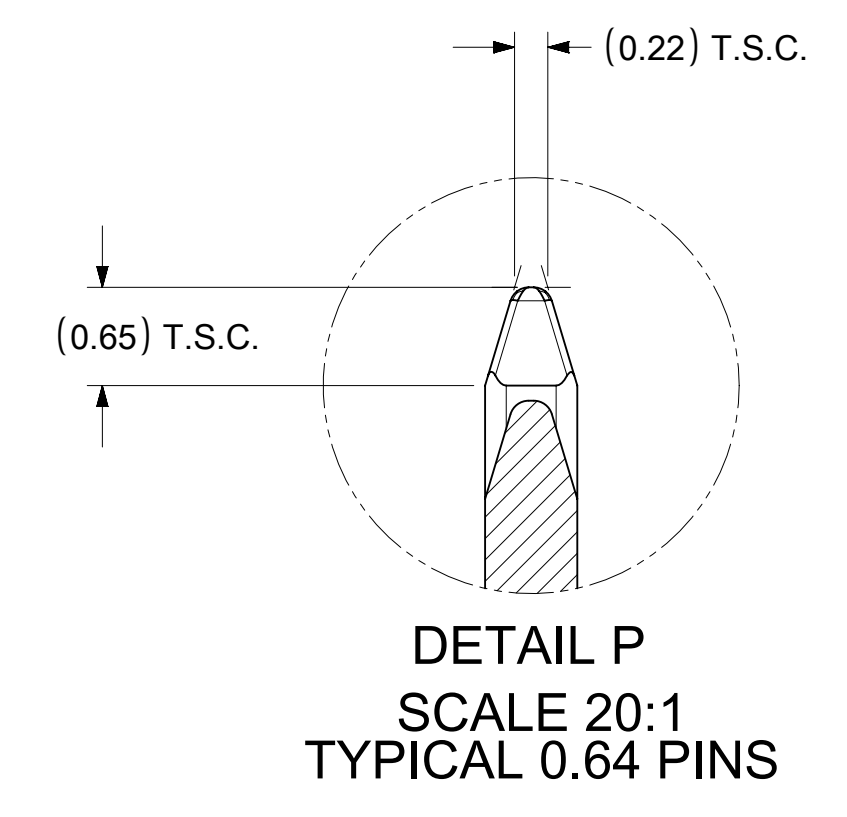
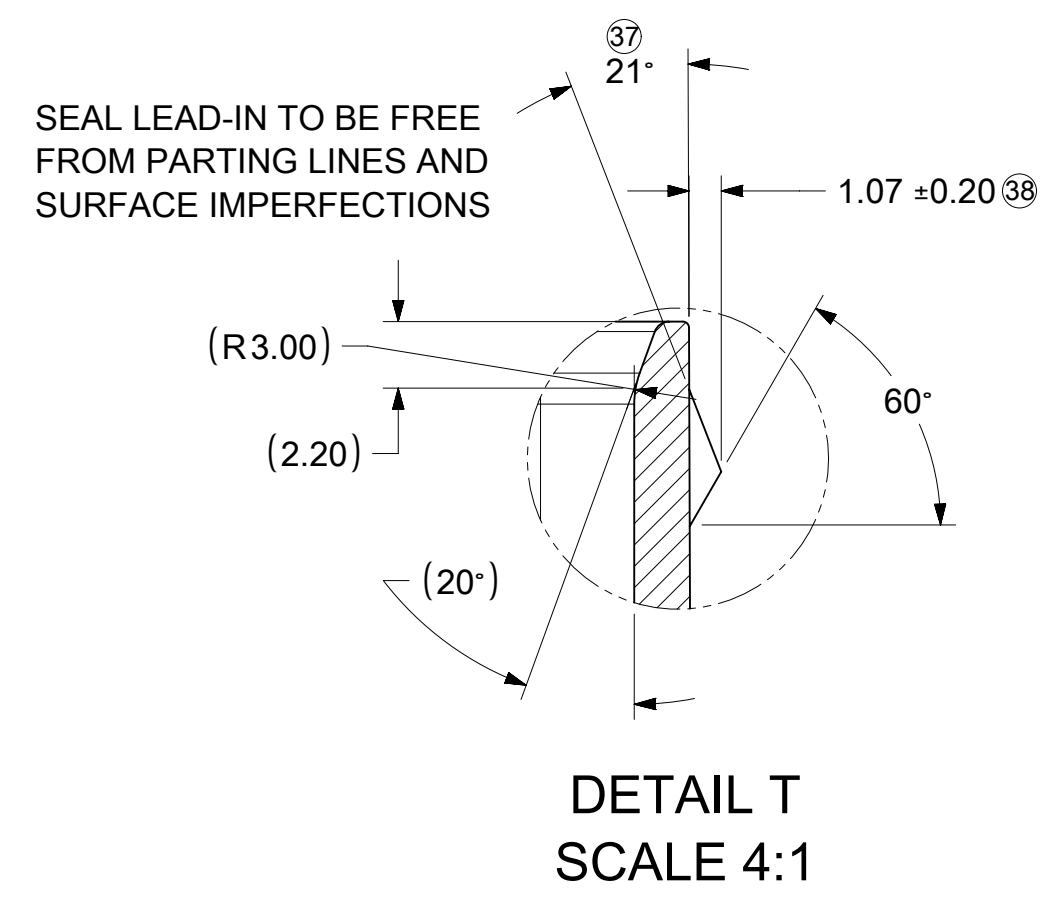
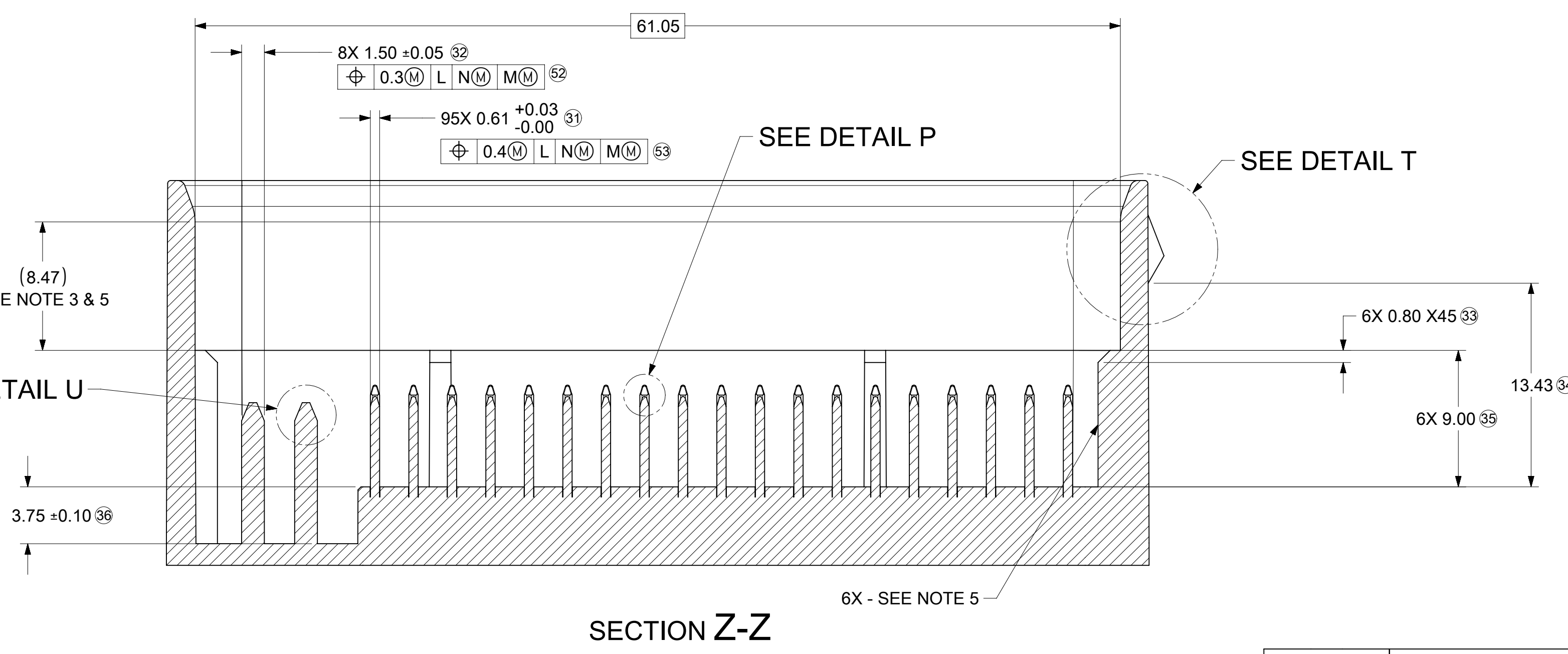
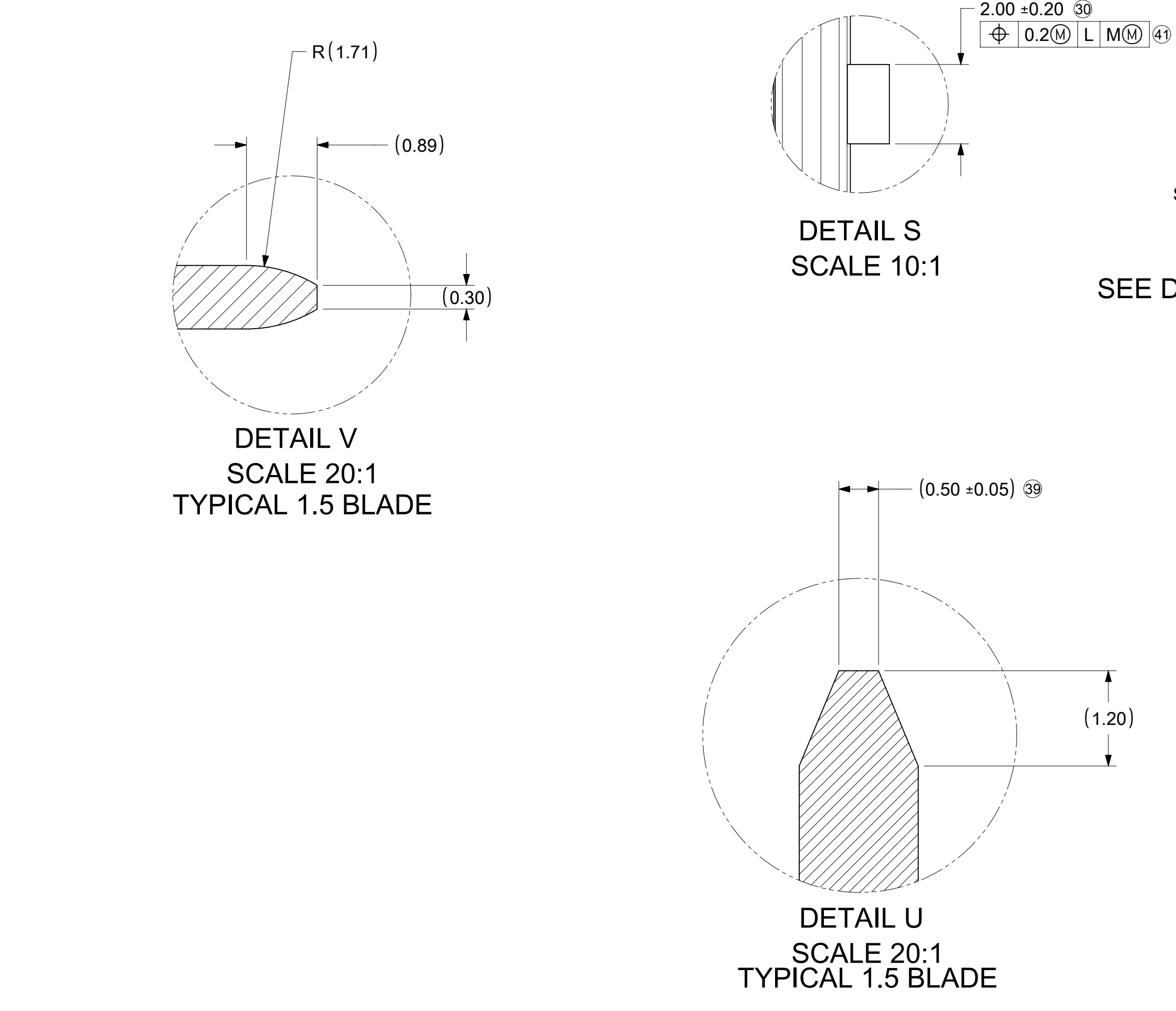
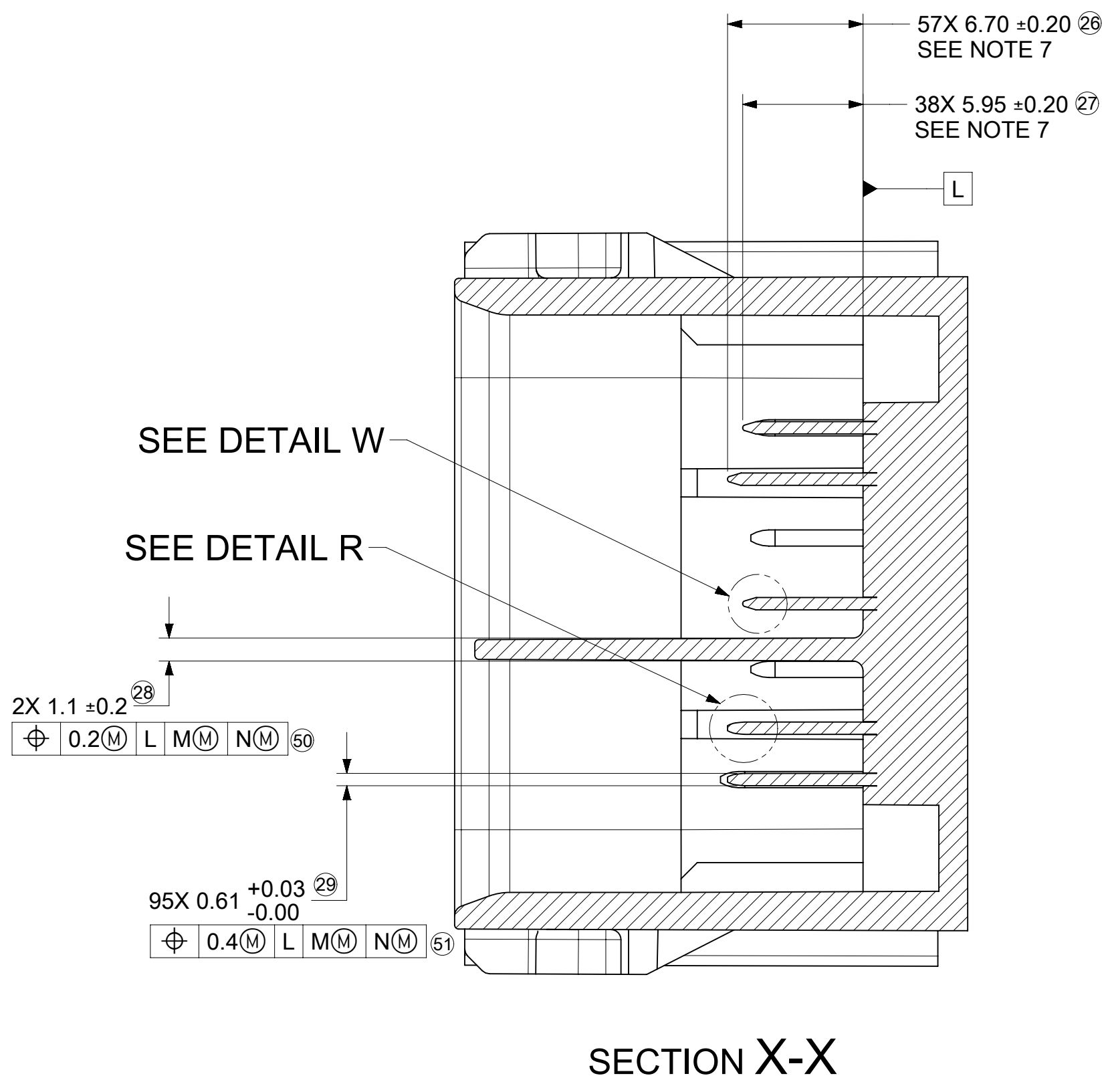
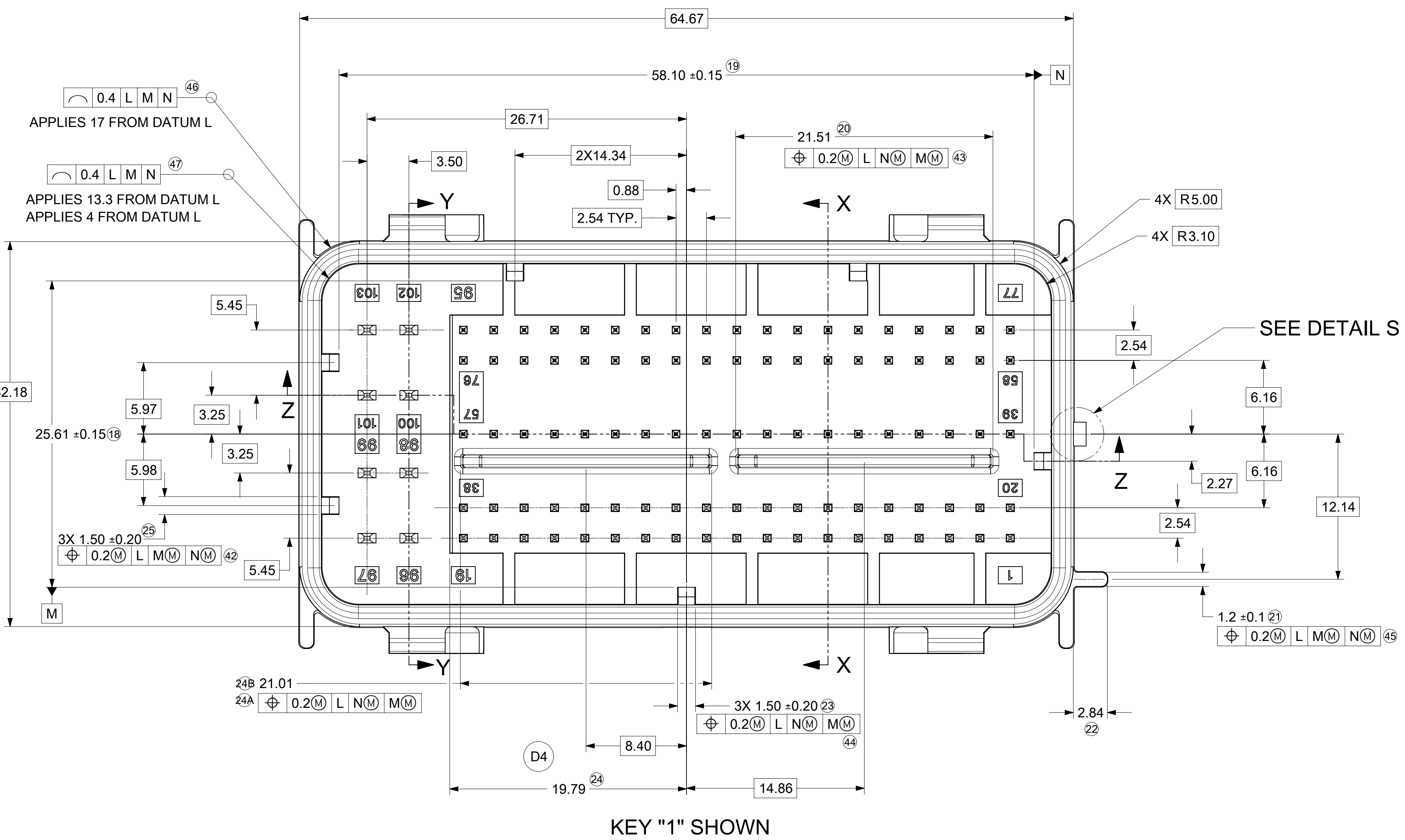
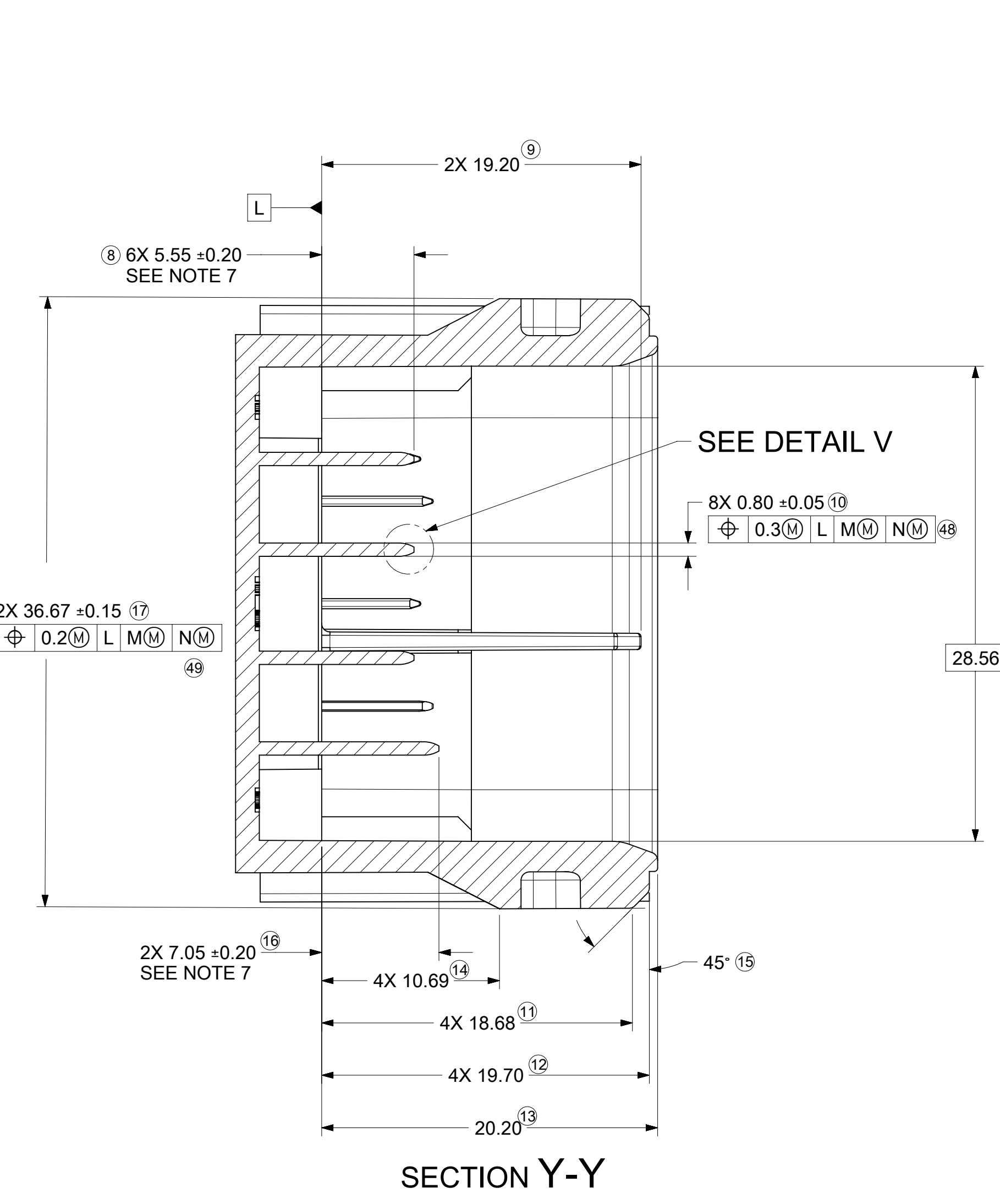


SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTE AND TABLE UPDATED				molex GPEC IV CONNECTOR ASSEMBLY 103 CIRCUIT					
	= 0	mm		2:1											
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	= 0	ANGULAR TOL		±											
	= 0	4 PLACES		±											
	= 0	3 PLACES		±		EC NO: 677806				PRODUCT CUSTOMER DRAWING					
	= 0	2 PLACES		±		DRWN: NBOHIDAR 2021/09/15									
	= 0	1 PLACE		±		CHK'D: BDICK01 2021/09/28									
	= 0	0 PLACES		±		APPR: BDICK01 2021/09/28				DOCUMENT NUMBER					
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	= 0					E-SIZE		34993		349930001-SD		PSD		000	
												GENERAL MARKET		2 OF 3	

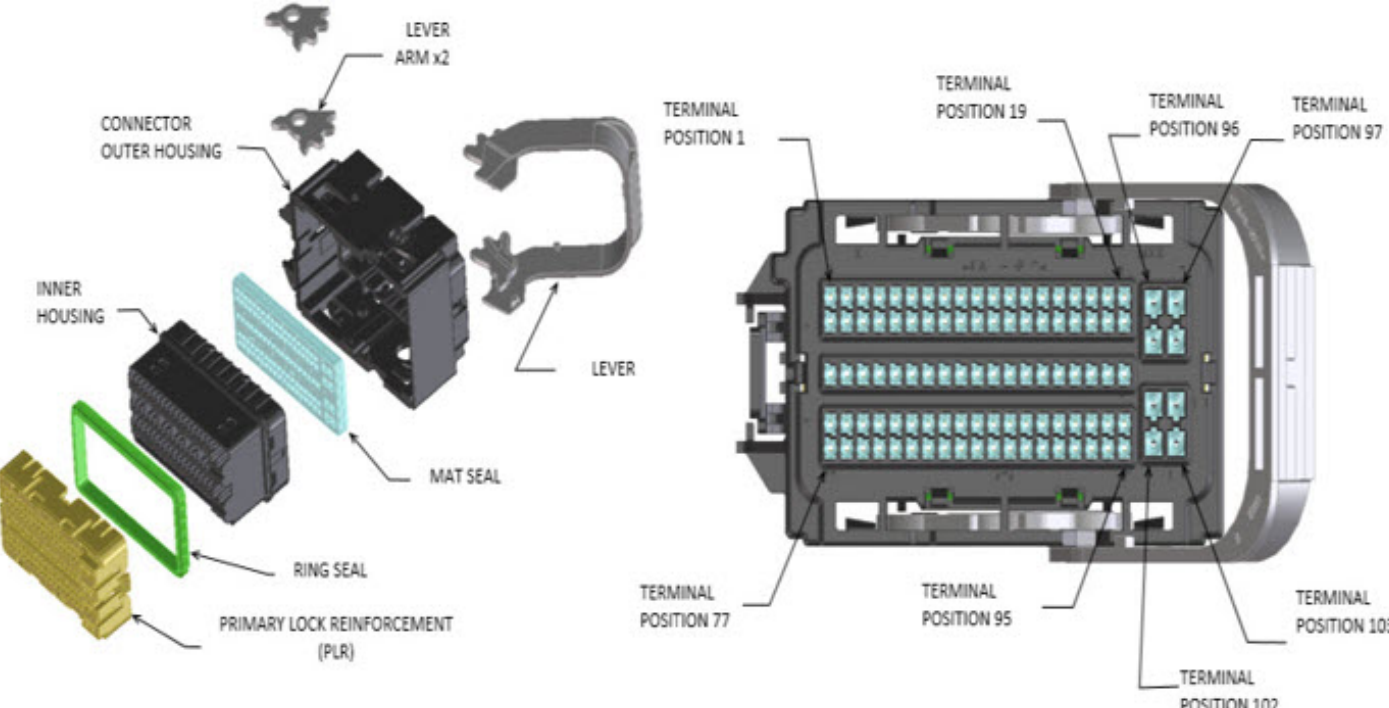
RECOMMENDED MATING INTERFACE



- NOTES FOR INTERFACE: UNLESS OTHERWISE SPECIFIED
1. GENERAL TOLERANCES:
LINEAR DIMENSIONS: +0.20
ANGULAR DIMENSIONS: +3°
 2. DRAFT ANGLE PERMISSIBLE ONLY WITHIN DRAWING TOLERANCE.
 3. SEAL SURFACE. NO WITNESS LINES OR DAMAGE PERMITTED.
 4. ALL UNMARKED RADII TO BE 0.5 MAX. UNLESS OTHERWISE SPECIFIED.
 5. ZERO DRAFT AREA
 6. CONNECTION SYSTEM VALIDATED TO USCAR2, REVISION 5
 7. PIN ROW HEIGHTS ARE INTENTIONALLY OFFSET
- POWER CONTACT PIN NOTES: (1.5 CIRCUITS)
1. MATERIAL: Cu ALLOY
WITH TENSILE STRENGTH > 410 N/mm²
ELECTRICAL CONDUCTANCE > 16 Sm/mm²
(>28% IACS AT 20°C)
 2. BASE PLATING: 1.25-2.25µm Ni OVERALL.
 3. REFLOW TIN PLATING: 2.5-4.0µm OVERALL.
 4. CONTACT MUST BE FREE OF BURRS AND SHARP EDGES.
 5. 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)
1. MATERIAL: Cu ALLOY
WITH TENSILE STRENGTH > 410 N/mm²
ELECTRICAL CONDUCTANCE > 16 Sm/mm²
(>28% IACS AT 20°C)
 2. BASE PLATING 1.25-2.5µm Ni OVERALL.
 3. SILVER PLATING: 2-4µm Ag WITH TARNISH RESISTANT TREATMENT APPLIED TO THE ENTIRE SILVER SURFACE.
 4. CONTACT MUST BE FREE OF BURRS AND SHARP EDGES.
 5. 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.
 6. 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																	
	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTE AND TABLE UPDATED					molex								
	mm		2:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 677806					GPEC IV CONNECTOR ASSEMBLY 103 CIRCUIT										
	ANGULAR TOL ±		DRWN: NBOHIDAR 2021/09/15															
4 PLACES		CHK'D: BDICK01 2021/09/28					PRODUCT CUSTOMER DRAWING											
3 PLACES		APPR: BDICK01 2021/09/28																
2 PLACES		INITIAL REVISION:					DOCUMENT NUMBER			DOC TYPE			DOC PART			REVISION		
1 PLACE		DRWN: NBOHIDAR 2018/09/01																
0 PLACES		APPR: APROFFITT 2018/09/07					349930001-SD			PSD			000			A8		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES												
				E-SIZE		34993		CHARTED		GENERAL MARKET		3 OF 3						



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	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE

FOR ADDITIONAL INFORMATION SEE 349930001-SD

LOOK AT 2032000001-SD FOR WIRE DRESS COVER OPTION

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																												STATUS	COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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GPEC RCPT CONN 103 CKT END LVR KEY 2/103	349932001	2-BLACK	IH	PLR	LE	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																				STATUS	COMMENTS			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.							CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																								
		OUTER HOUSING KEY/COLOR	INNER HOUSING	PLR	LEVER	LEVER ARM (x/2)	MAT SEAL	RING SEAL																									
GPEC RCPT CONN 103 CKT END LVR KEY 5/56	349938011	5-BLACK	IH	PLR	LE	LA	M	R	1	2	3	-	-	-	-	-	-	-	-	14	15	16	17	18	19	-	97	SALEABLE					
									-	-	22	23	24	25	-	27	-	29	-	-	32	33	34	-	36	37	38			-	99		
									-	-	-	42	-	-	-	-	-	-	49	50	51	52	53	54	-	-	-			-	-	-	-
									-	59	-	-	-	-	-	-	-	67	-	69	70	-	-	-	-	-	-			76	-	101	
									-	-	-	80	81	82	83	84	85	-	-	-	89	90	-	92	-	94	-			-	-	-	103
GPEC RCPT CONN 103 CKT END LVR KEY 5/47	349938012	5-BLACK	IH	PLR	LE	LA	M	R	-	-	-	4	5	6	7	8	9	10	11	12	13	-	-	-	-	-	-	96	-	SALEABLE			
									20	21	-	-	-	-	26	-	28	-	30	31	-	-	-	35	-	-	-	-	98			-	
									39	40	41	-	43	44	45	46	47	48	-	-	-	-	-	-	55	56	57	-	-			-	
									58	-	60	61	62	63	64	65	66	-	68	-	-	71	72	73	74	75	-	100	-				
									77	78	79	-	-	-	-	-	-	86	87	88	-	-	91	-	93	-	95	102	-				
GPEC RCPT CONN 103 CKT END LVR KEY 5/59	349938013	5-BLACK	IH	PLR	LE	LA	M	R	1	-	-	-	5	-	-	-	-	-	-	-	-	-	16	-	-	19	-	-	SALEABLE				
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									-	-	-	-	43	44	45	-	-	-	-	-	-	52	53	-	55	56	57	-			-	-	
									58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	74	75	-	-			-		
									77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	-			-		
GPEC RCPT CONN 103 CKT END LVR KEY 5/52	349938014	5-BLACK	IH	PLR	LE	LA	M	R	1	-	3	4	5	-	7	-	9	-	-	-	-	-	16	17	-	-	-	-	SALEABLE				
									20	21	22	23	24	25	26	27	-	-	-	-	32	-	34	35	36	-	38	-			-		
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									77	78	79	80	81	82	83	84	85	86	87	88	89	-	91	92	93	94	95	-			-		
GPEC RCPT CONN 103 CKT END LVR KEY 5/60	349938015	5-BLACK	IH	PLR	LE	LA	M	R	1	2	3	4	-	-	-	-	-	-	11	-	-	-	-	16	-	-	19	-	-	SALEABLE			
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									77	78	-	-	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	-	-				
GPEC RCPT CONN 103 CKT END LVR KEY 5/61	349938016	5-BLACK	IH	PLR	LE	LA	M	R	1	-	-	-	5	-	-	-	-	-	-	-	-	-	16	-	-	19	-	-	SALEABLE				
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									77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	-			-		
GPEC RCPT CONN 103 CKT END LVR KEY 5/61	349938017	5-BLACK	IH	PLR	LE	LA	M	R	1	2	-	4	-	-	-	-	-	-	11	-	-	-	-	16	-	-	19	-	-	SALEABLE			
									-	-	22	-	24	-	26	-	-	29	-	-	32	-	-	35	36	-	38	-	-				
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									77	78	-	-	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	-	-				
GPEC RCPT CONN 103 CKT END LVR KEY 5/48	349938018	5-BLACK	IH	PLR	LE	LA	M	R	1	-	3	4	5	-	7	-	9	10	-	-	-	-	16	17	-	-	-	-	SALEABLE				
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									77	78	79	80	81	82	83	84	85	86	87	88	89	-	91	92	93	94	95	-			-		
GPEC RCPT CONN 103 CKT END LVR KEY 5/61	349938019	5-BLACK	IH	PLR	LE	LA	M	R	1	2	3	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	SALEABLE				
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									77	78	79	80	81	82	83	84	85	86	87	88	89	90	-	92	93	94	95	-			-		
GPEC RCPT CONN 103 CKT END LVR KEY 5/102	349938020	5-BLACK	IH	PLR	LE	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE				
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GPEC IV 103 WAY RECEPTACLE SEALED ASSEMBLY MAT SEAL

BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																				STATUS	COMMENTS	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.							CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																						
		OUTER HOUSING KEY/COLOR	INNER HOUSING	PLR	LEVER	LEVER ARM (x/2)	MAT SEAL	RING SEAL																							
GPEC RCPT CONN 103 CKT TOP LVR KEY 5/49	349939008	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	6	7	8	9	10	11	12	13	-	-	-	-	-	-	96	-	SALEABLE	
									20	21	-	-	-	-	26	-	28	-	30	31	-	-	-	35	-	-	-	98	-		
									39	40	-	-	43	44	45	46	47	48	-	-	-	-	-	-	55	56	57				
									58	-	60	61	62	63	64	65	-	-	68	-	-	71	72	73	74	75	-	100	-		
									77	78	79	-	-	-	-	-	-	86	87	88	-	-	91	-	93	-	95	102	-		
GPEC RCPT CONN 103 CKT TOP LVR KEY 5/58	349939009	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	6	7	8	9	10	11	-	13	-	-	-	-	-	-	96	-	SALEABLE	
									-	-	-	-	-	-	26	-	28	-	30	31	-	-	-	35	-	-	-	98	-		
									39	40	-	-	43	44	45	46	47	48	-	-	-	-	-	-	-	-	57				
									58	-	60	61	62	63	64	65	-	-	68	69	-	71	72	73	74	75	-	100	-		
									77	78	-	-	-	-	-	-	-	-	-	-	-	90	91	-	-	-	-	102	-		
GPEC RCPT CONN 103 CKT TOP LVR KEY 5/103	349939010	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE	
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GPEC RCPT CONN 103 CKT TOP LVR KEY 5/49	349939011	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	6	7	8	9	10	11	12	13	-	-	-	-	-	-	96	-	SALEABLE	
									-	21	-	23	-	-	26	-	28	-	-	31	-	-	-	35	-	-	-	98	-		
									39	40	-	-	43	44	45	46	47	48	-	-	-	-	-	-	-	-	57				
									58	59	60	61	62	63	64	65	-	-	68	69	-	71	-	73	74	-	-	100	-		
									77	78	-	80	81	82	83	84	85	-	87	88	-	90	91	-	-	-	-	102	-		
GPEC RCPT CONN 103 CKT TOP LVR KEY 5/40	349939012	5-BLACK	IH	PLR	LT	LA	M	R	1	2	3	4	5	6	-	-	9	-	11	12	-	-	15	16	-	-	19	96	-	SALEABLE	
									20	21	-	-	-	25	26	27	-	-	30	31	32	33	34	-	-	37	-	98	-		
									39	-	-	42	43	44	45	-	-	48	49	-	-	-	-	54	55	-	57				
									58	-	60	61	62	63	64	-	-	67	68	69	-	71	72	-	74	75	76	-	-		
									77	-	-	80	81	82	83	84	85	86	-	88	89	-	-	92	93	94	95	-	-		