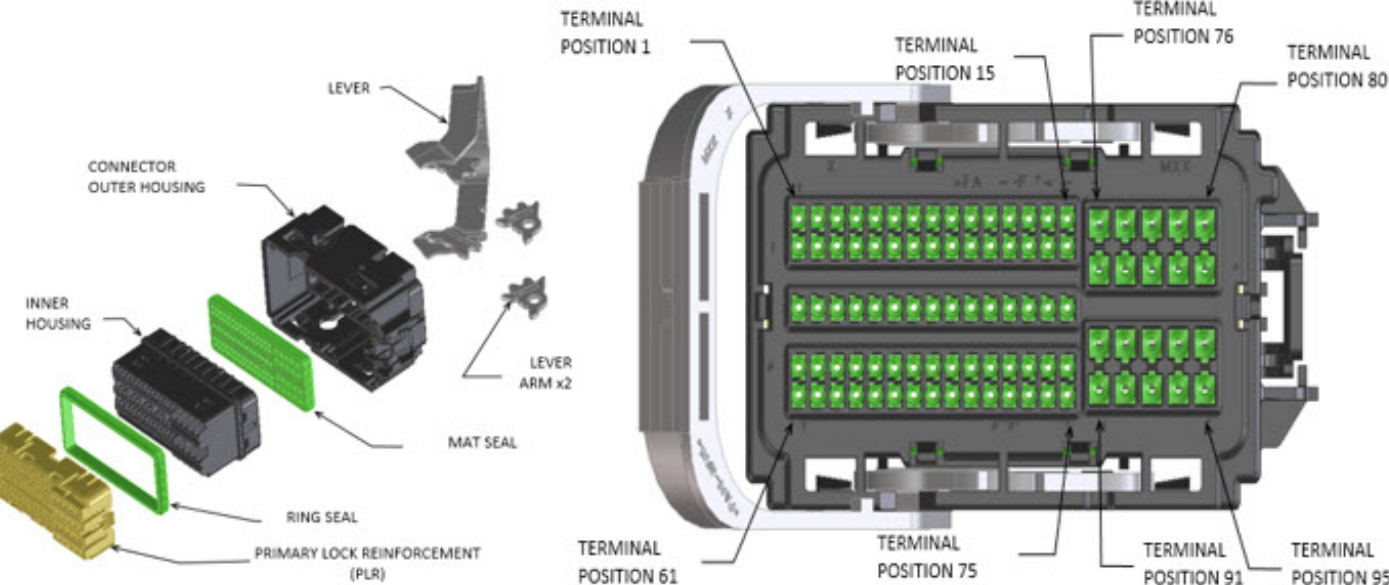




BOM AND PIN OUT SHEET

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 RCPT CONN 95 CKT END LVR KEY 1/80	349920010	1-BLACK	IH	PLR	LE	LA	M	R	1	-	3	-	5	-	7	-	-	10	-	-	-	-	-		-	-	-	-	-	SALEABLE					
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/80	349925002	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE								
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/69	349925003	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	-	8	-	-	-	-	-	-	14	15	-	77	-	79	-	SALEABLE					
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/69	349925004	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	-	8	-	-	-	-	-	-	14	15	-	77	-	79	-	SALEABLE					
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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 3/68	349925005	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	-	8	-	-	-	-	-	14	15		-	77	-	79	-	SALEABLE		
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/49	349925006	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 3/47	349925007	3-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	5	-	-	8	-	-	-	-	-	14	15		76	77	78	79	-	SALEABLE		
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/57	349925008	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	SALEABLE		
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GPEC RCPT CONN 95 CKT TOP LVR KEY 3/53	349925009	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	SALEABLE		
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									61	62	63	64	65	66	67	68	69	70	71	72	73	74	75		-	92	93	94	-			
GPEC RCPT CONN 95 CKT TOP LVR KEY 3/44	349925010	3-BLACK	IH	PLR	LT	LA	M	R	-	-	-	4	5	-	7	8	-	-	-	12	13	14	15		-	77	78	79	-	SALEABLE		
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GPEC RCPT CONN 95 CKT END LVR KEY 4/72	349926002	4-BLACK	IH	PLR	LE	LA	M	R	-	-	3	-	-	6	7	-	9	-	-	-	-	-	15		-	-	-	-	-	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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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 4/95	349927001	4-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE											
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/76	349927002	4-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	SALEABLE							
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/50	349927003	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	5	6	-	-	9	-	-	12	13	-	15	-	-	77	78	79	-	-	SALEABLE							
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									61	-	-	-	-	66	67	68	69	70	71	-	73	74	75	-	-	-	-	-	-	-			-	-	-	-	-	-
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/53	349927004	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	5	-	-	-	9	-	-	-	-	-	15	-	-	77	78	79	-	-	SALEABLE							
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									46	47	48	49	-	51	-	-	54	-	56	-	-	59	-	-	-	-	-	-	-	-			-	-	-	-	-	-
									61	-	-	-	-	66	67	68	69	70	71	-	73	74	75	-	-	-	-	-	-	-			-	-	-	-	-	-
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/51	349927005	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	5	-	-	-	9	-	-	12	13	-	15	-	-	77	78	79	-	-	SALEABLE							
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									61	-	-	-	-	66	67	68	69	70	71	-	73	74	75	-	-	-	-	-	-	-			-	-	-	-	-	
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/50	349927006	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	-	-	-	9	-	-	12	13	-	15	-	-	77	78	79	-	-	SALEABLE							
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									46	47	48	49	-	51	-	53	54	-	56	-	-	59	-	-	-	-	-	-	-	-			-	-	-	-	-	
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/54	349927007	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	5	-	-	-	9	-	-	-	-	-	15	-	-	77	78	79	80	-	-	SALEABLE						
									16	17	18	19	20	-	-	23	24	25	26	-	28	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
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									61	-	-	-	-	66	67	68	69	70	71	-	73	74	75	-	-	-	-	-	-	-	-			-	-	-	-	
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/46	349927008	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	-	-	-	9	-	-	12	13	-	15	-	-	77	78	79	80	-	-	SALEABLE						
									16	17	18	19	20	21	-	23	24	25	26	-	28	-	30	-	-	-	-	-	-	-	-			-	-	-	-	
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									61	-	-	-	-	66	67	68	69	70	71	-	73	74	-	-	-	-	-	-	-	-	-			-	-	-	-	
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/45	349927009	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	6	7	8	9	-	-	12	13	-	15	-	-	77	78	79	80	-	-	SALEABLE						
									16	17	18	19	20	-	-	23	24	25	26	-	28	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/42	349927010	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	6	7	8	9	-	-	12	13	-	15	-	-	77	78	79	80	-	-	SALEABLE						
									16	17	18	19	20	21	-	23	24	25	26	-	28	-	30	-	-	-	-	-	-	-	-			-	-	-	-	
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GPEC IV 95 WAY RECEPTACLE SEALED ASSEMBLY MAT SEAL

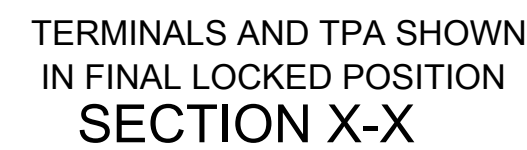
BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																	STATUS	COMMENTS				
		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 4/47	349927011	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	5	-	-	-	9	-	-	12	13	-	15	-	-	77	78	79	80	SALEABLE	
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/52	349927012	4-BLACK	IH	PLR	LT	LA	M	R	1	2	3	4	5	6	-	-	9	-	-	-	-	14	15	-	-	77	-	79	80	SALEABLE	
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									61	-	63	64	-	66	67	68	69	-	71	-	-	74	75	91	92	-	-	95			
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/47	349927013	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	-	-	-	9	-	-	12	13	-	15	-	-	77	78	79	80	SALEABLE	
									16	17	18	-	20	21	-	23	24	25	26	-	28	-	30	-	-	-	-	85			
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GPEC RCPT CONN 95 CKT TOP LVR KEY 4/50	349927014	4-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	-	-	-	9	-	-	12	13	-	15	-	-	77	78	79	80	SALEABLE	
									16	17	18	-	20	21	-	23	24	25	26	-	28	-	30	-	-	-	-	85			
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									-	-	-	-	-	66	67	68	69	70	71	-	73	74	-	91	-	-	94	95			
GPEC RCPT CONN 95 CKT TOP LVR KEY 4/52	349927015	4-BLACK	IH	PLR	LT	LA	M	R	1	-	3	4	-	6	-	-	9	-	-	-	-	-	15	-	-	-	78	79	80	SALEABLE	
									16	17	-	19	-	21	-	23	24	25	26	-	28	29	30	-	-	-	-	85			
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GPEC RCPT CONN 95 CKT END LVR KEY 5/95	349928001	5-BLACK	IH	PLR	LE	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE		
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GPEC RCPT CONN 95 CKT END LVR KEY 5/95	349928002	5-BLACK	IH	PLR	LE	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE		
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GPEC RCPT CONN 95 CKT END LVR KEY 5/49	349928003	5-BLACK	IH	PLR	LE	LA	M	R	-	2	3	4	-	-	-	-	-	-	-	-	-	14	15	-	-	-	-	-	SALEABLE		
									-	17	18	-	20	21	-	-	24	-	26	27	-	-	30	81	-	-	-	85			
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									-	62	63	64	65	66	67	68	-	70	71	72	-	-	-	91	-	-	-	-			
GPEC RCPT CONN 95 CKT TOP LVR KEY 5/95	349929001	5-BLACK	IH	PLR	LT	LA	M	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE			
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GPEC RCPT CONN 95 CKT TOP LVR KEY 5/51	349929002	5-BLACK	IH	PLR	LT	LA	M	R	-	-	3	4	-	-	-	-	9	-	-	12	13	-	15	-	-	77	78	-	80	SALEABLE	
									16	17	-	19	-	21	-	23	24	-	-	-	28	29	30	-	-	-	-	85			
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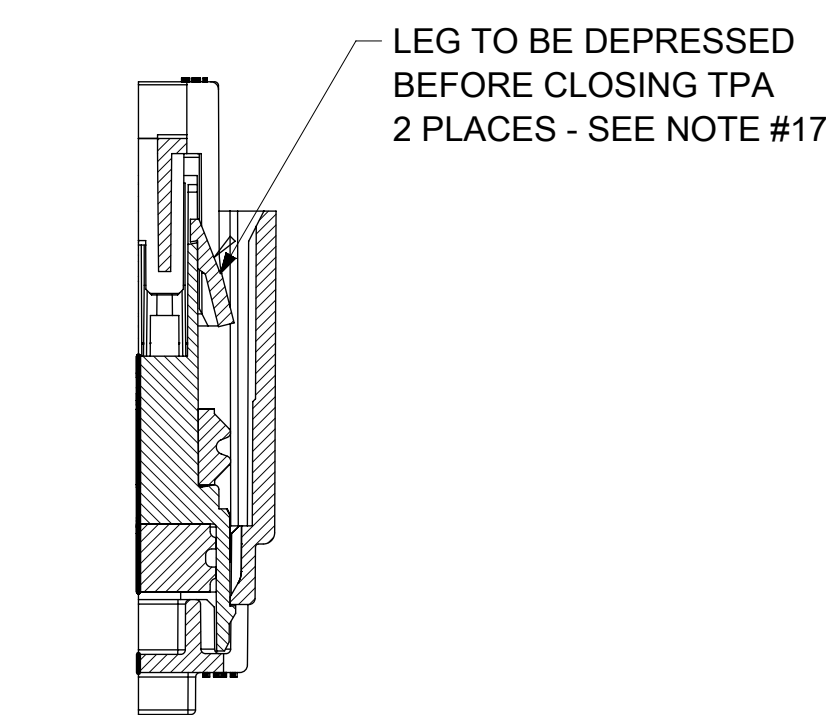


BOM AND PIN OUT SHEET

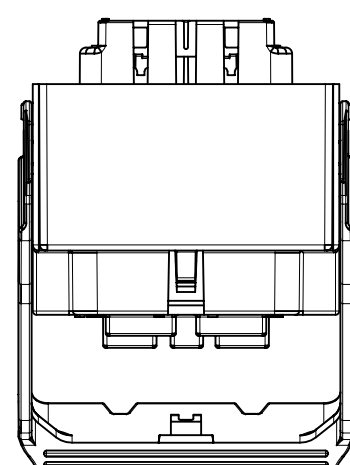
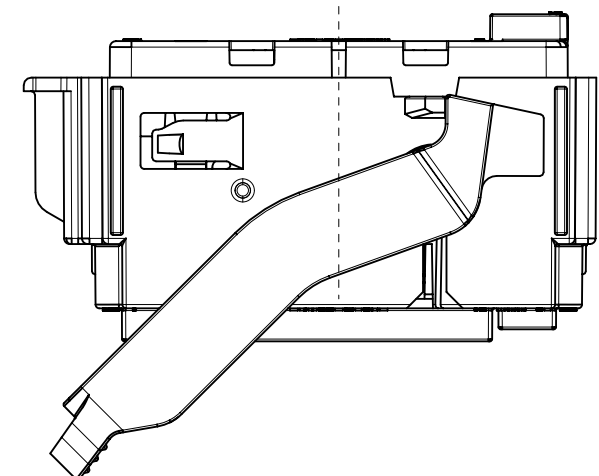
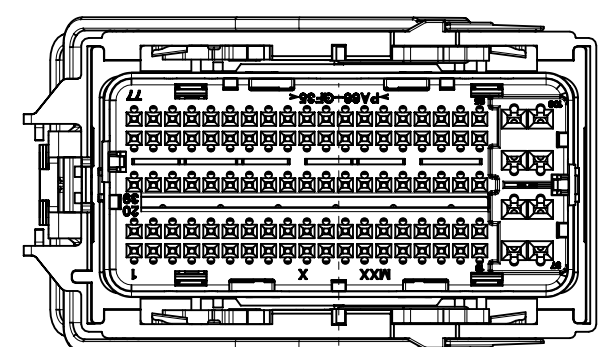
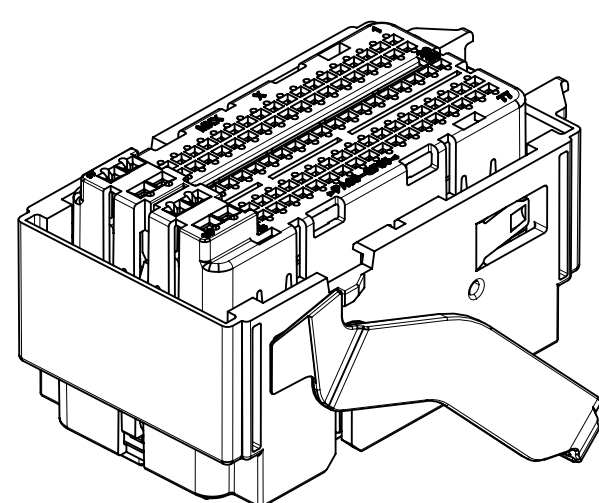
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS																	STATUS	COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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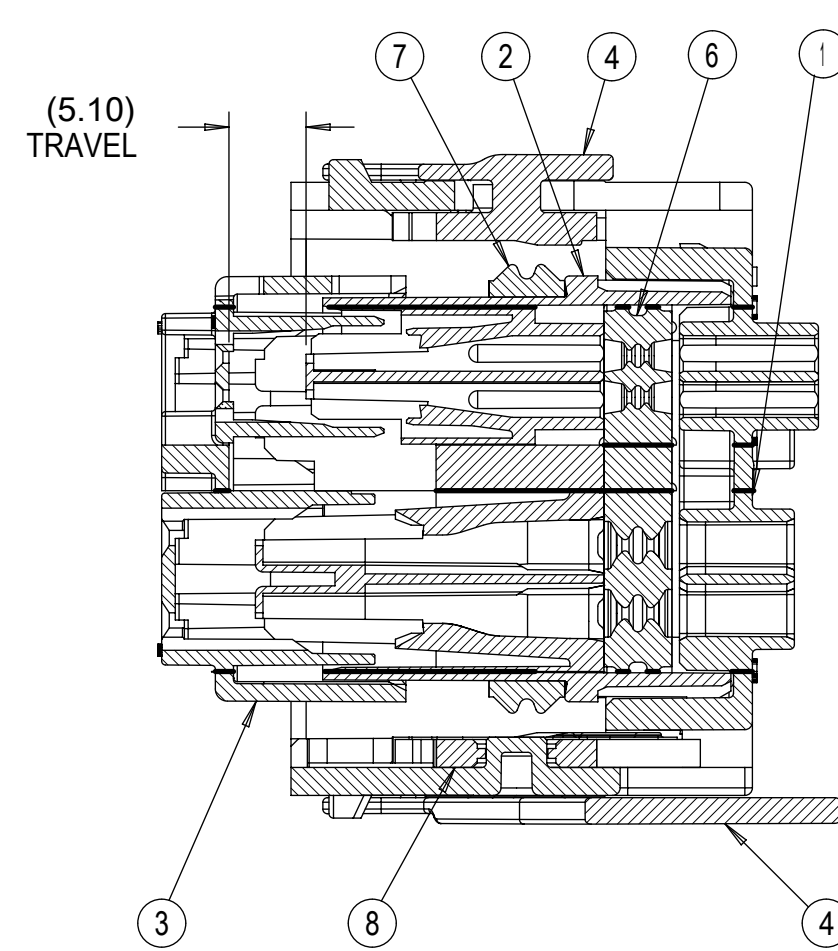
AROUND-THE-END LEVER OPTION
P/N 34993-0001, KEY 1



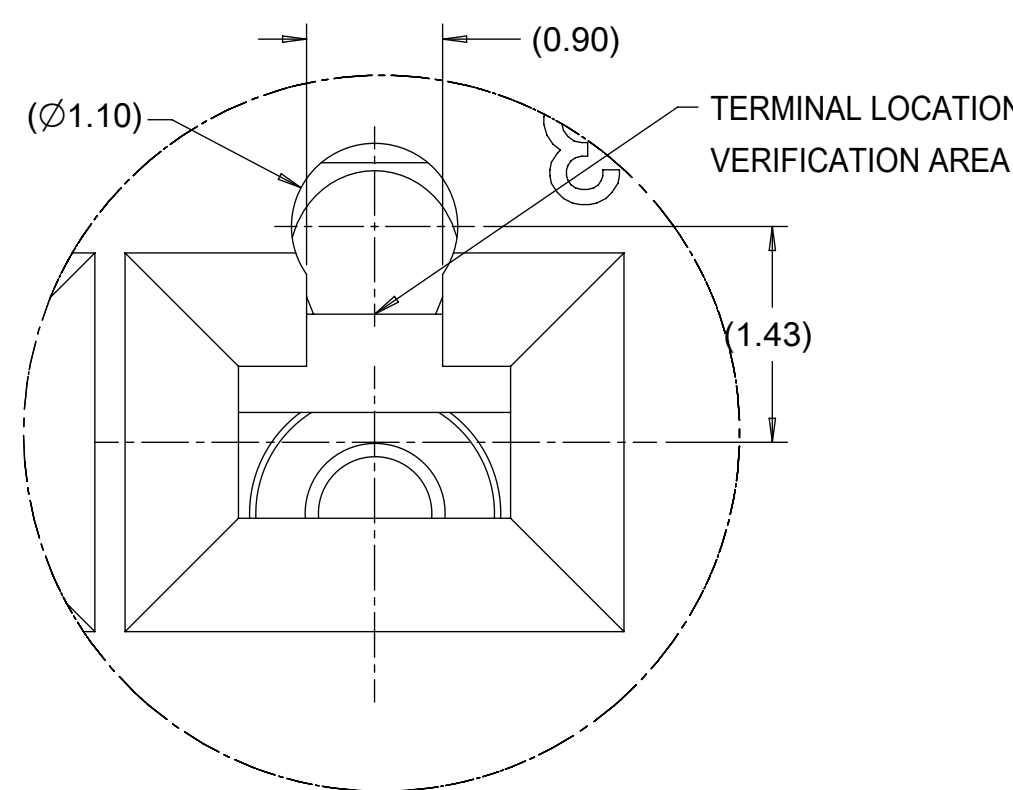
SECTION Z-Z



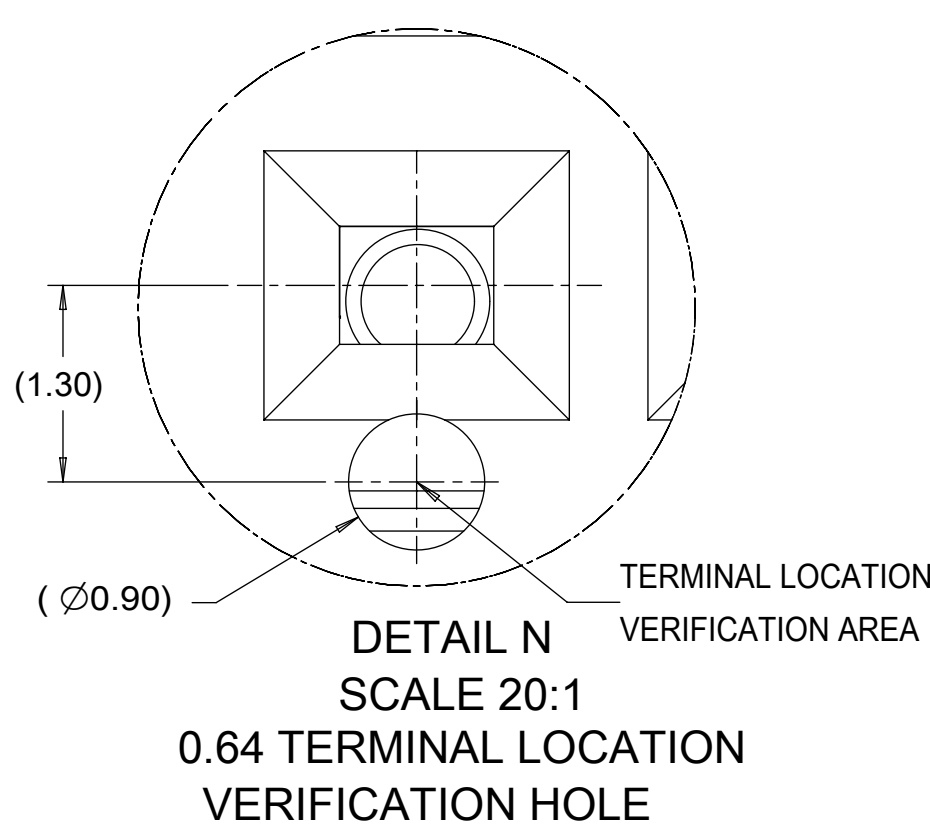
FULL SIZE VIEWS



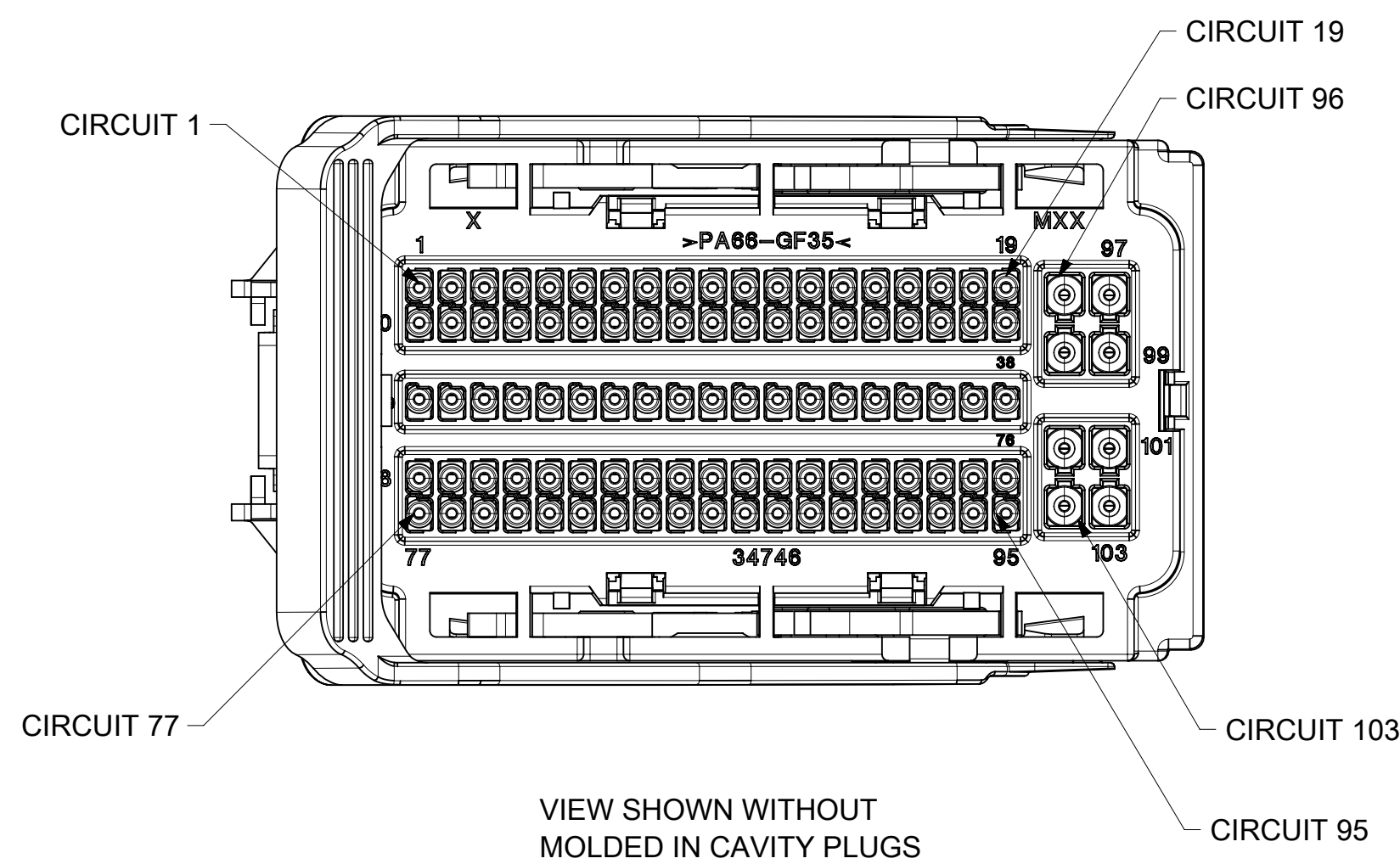
SECTION Y-Y



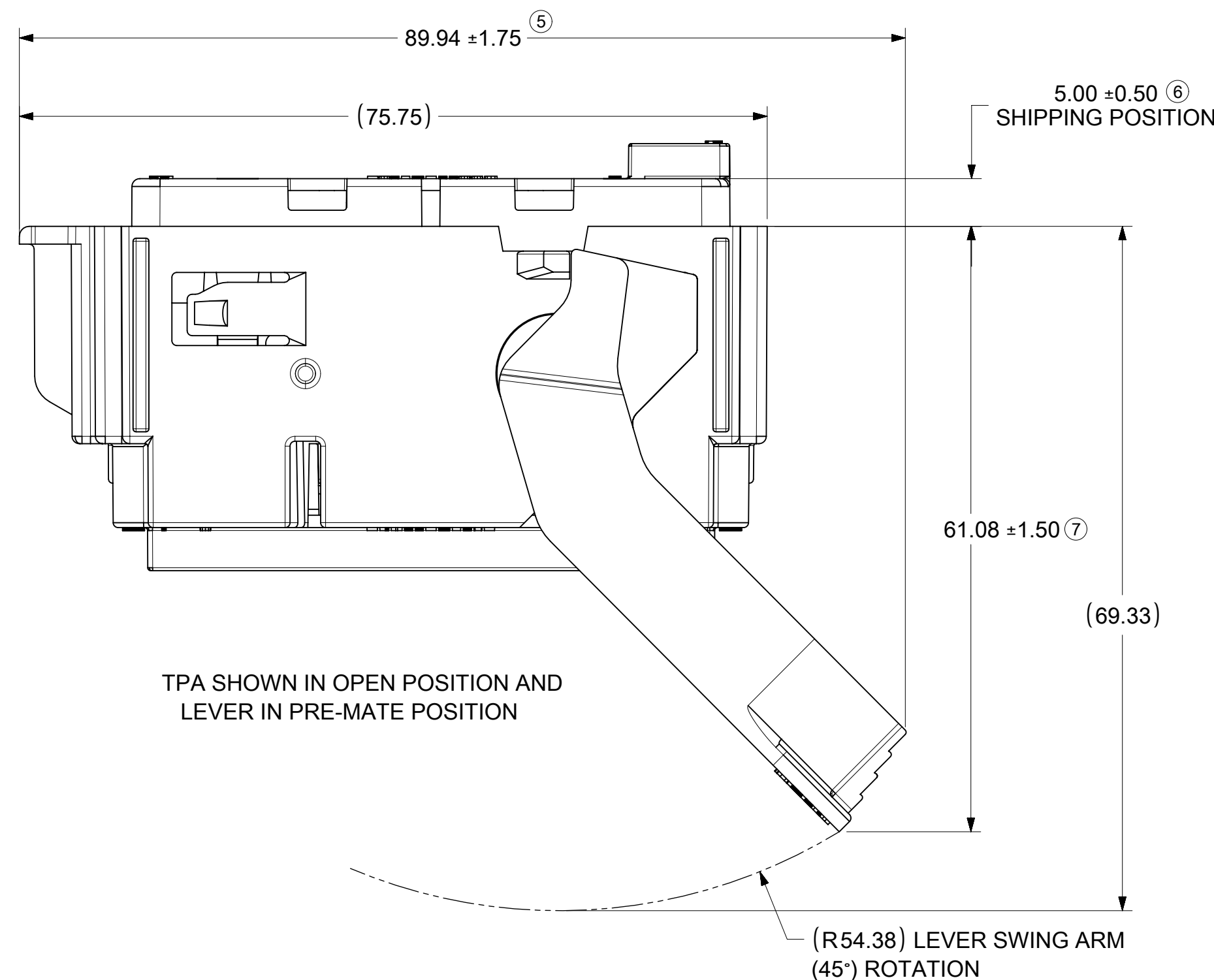
DETAIL M
SCALE 20:1
1.5 TERMINAL LOCATION
VERIFICATION HOLE



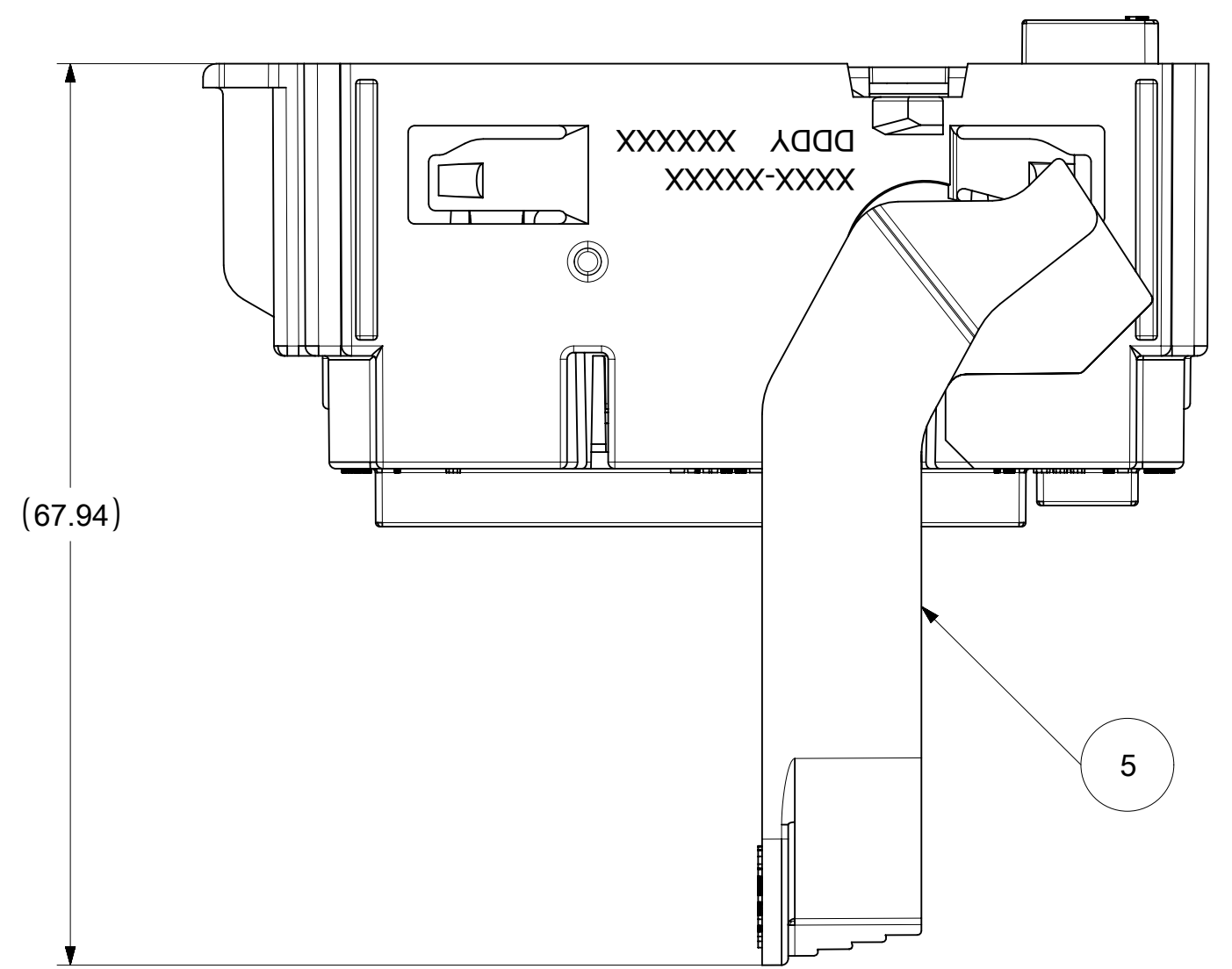
SCALE 20:1



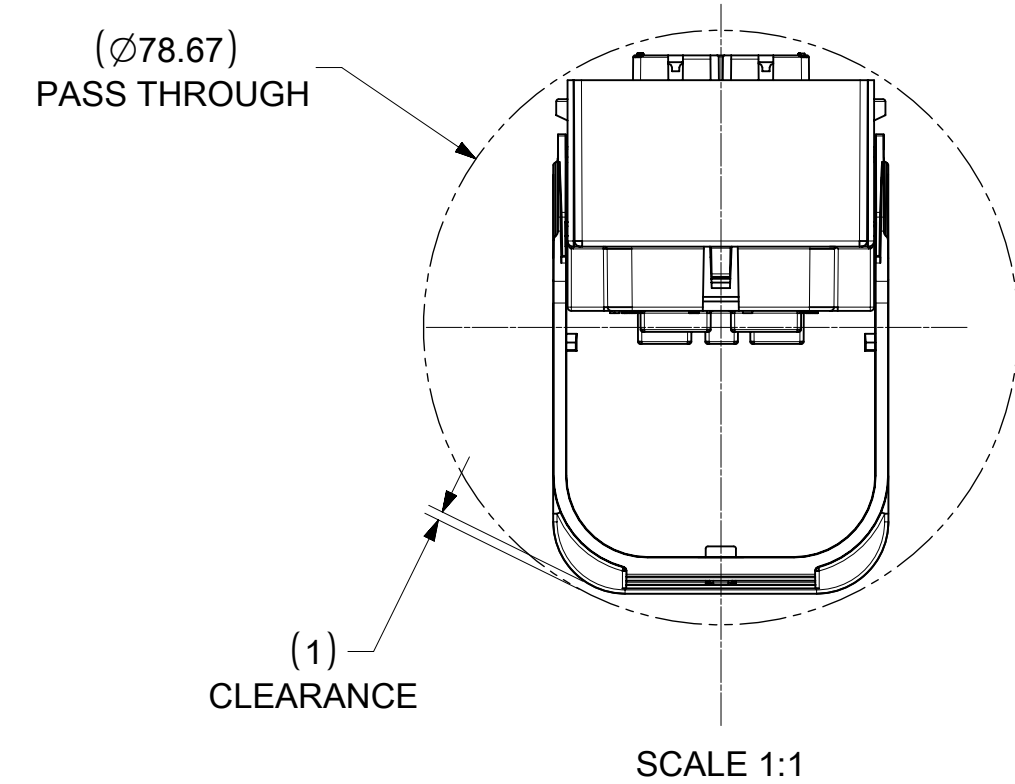
VIEW SHOWN WITHOUT
MOLDED IN CAVITY PLUGS



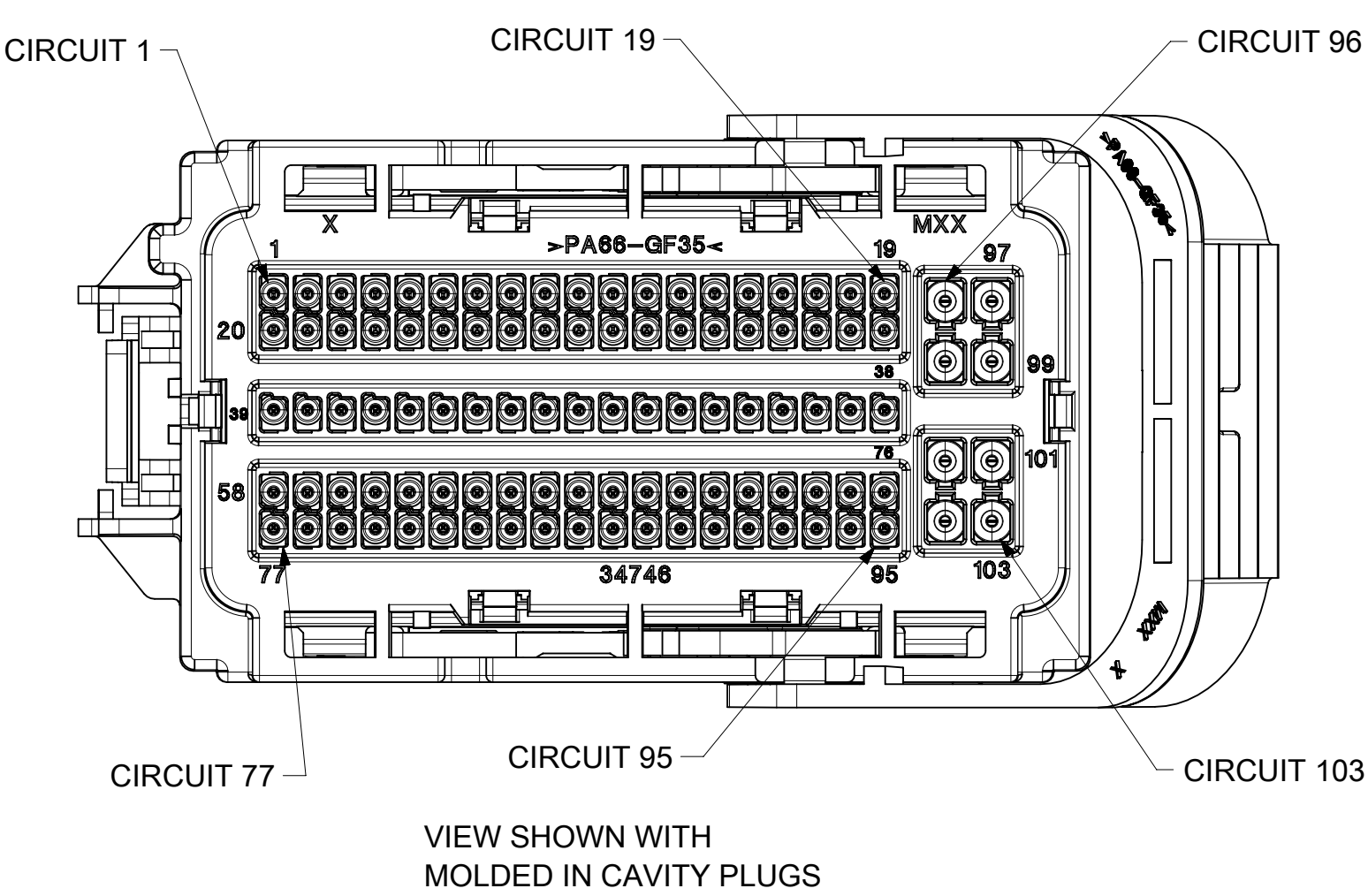
TPA SHOWN IN OPEN POSITION AND
LEVER IN PRE-MATE POSITION



TPA SHOWN IN CLOSED POSITION AND LEVER IN MATE POSITION
LOCKING FEATURES TO BE DESIGNED INTO DRESS COVER FOR THIS LEVER



CLEAR



VIEW SHOWN WITH
MOLDED IN CAVITY PLUGS

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

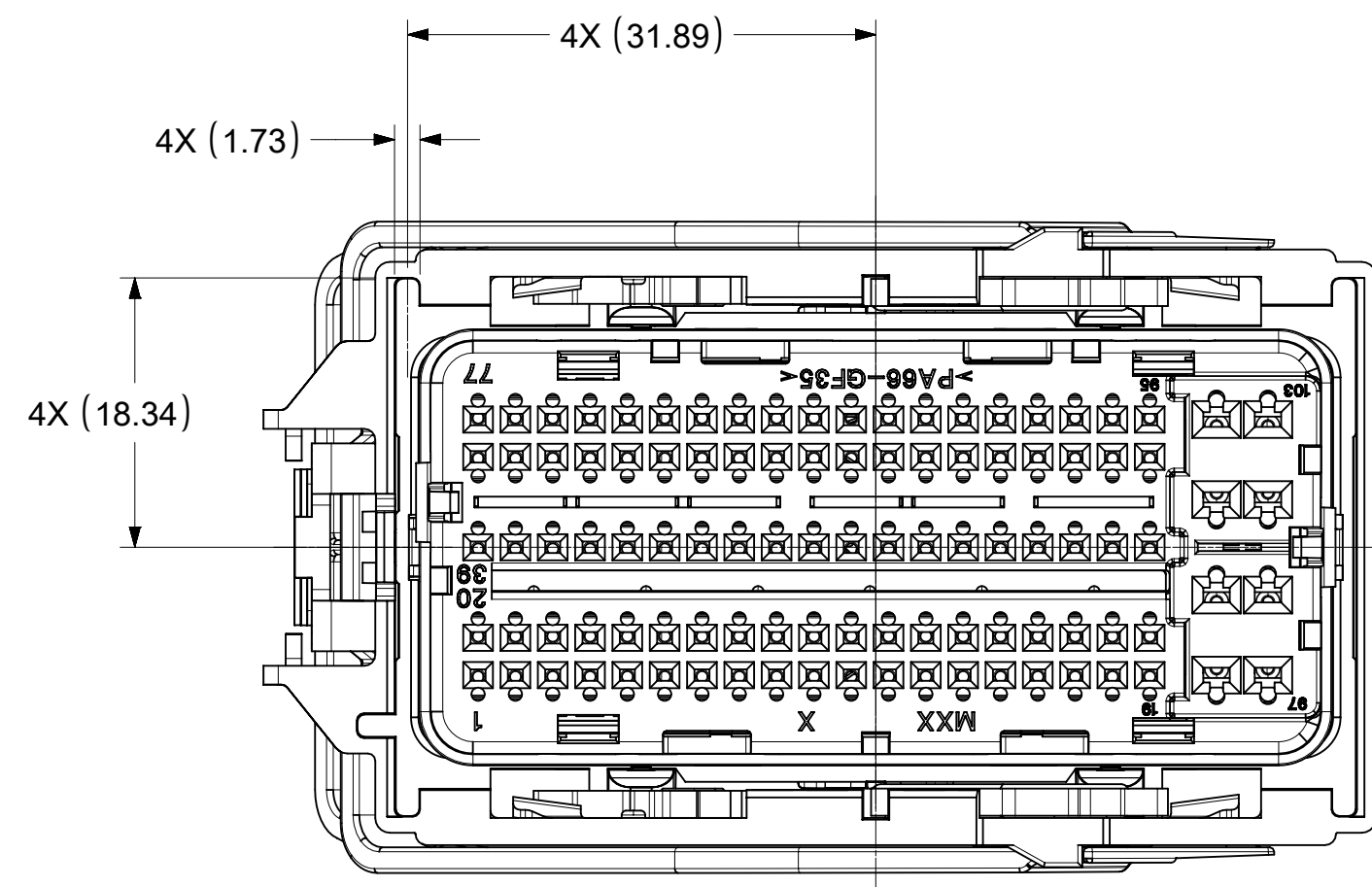
NOTES: UNLESS OTHERWISE SPECIFIED

1. 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 HIGH PRESSURE SPRAY REQUIREMENTS WITH WIRE DRESS COVER ATTACHED
4. MAXIMUM LEVER ENGAGEMENT FORCE POPULATED WITH TERMINALS IS NOT TO EXCEED 75N.
5. 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, PRODUCTION DATE CODE, AND ASSEMBLY PART
NUMBER MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5MM MINIMUM LETTER
SIZE FROM THE BOTTOM OF 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.
15. 25% MAXIMUM REGRIND ALLOWABLE IN MOLDED COMPONENTS.
16. SEE MOLEX APPLICATION SPEC AS-34992-001 FOR CONNECTOR SERVICE & USAGE INSTRUCTIONS.
17. OPTIONAL WIREDRESS COVERS 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

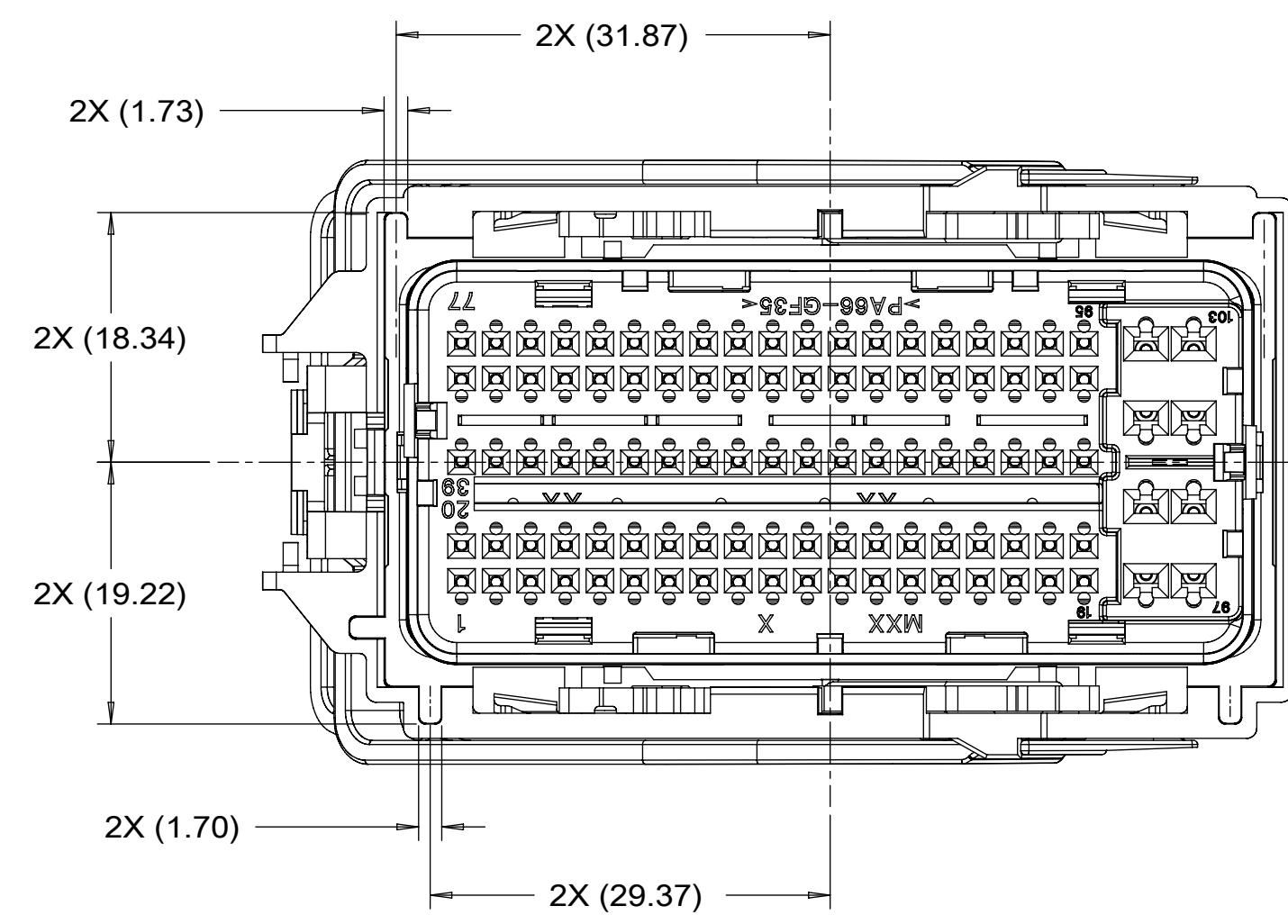
DESCRIPTION	NOMINAL TERMINAL SIZE	COLOR/ PLATING	SUPPLIER PART NUMBER	MATERIAL/SPECIFICATION NUMBER	APPLICABLE WIRE SIZE ES-AUST-1A348-AA REV A MIL 123A
TERMINAL - FEMALE (Ag)	0.64	SILVER	2077131254	COPPER ALLOY/SILVER PLATE	0.35mm ² (DIA 1.20 - 1.40) 0.50mm ² (DIA 1.40 - 1.70)
TERMINAL - FEMALE (Ag)	0.64	SILVER	2077131354	COPPER ALLOY/SILVER PLATE	0.75mm ² (DIA 1.70 - 1.90)
TERMINAL - FEMALE (Sn)	1.50	TIN	330122003	COPPER ALLOY/TIN PLATE	22AWG(DIA 1.50 - 1.65)
TERMINAL - FEMALE (Sn)	1.50	TIN	330122004	COPPER ALLOY/TIN PLATE	0.35mm ² (DIA 1.20 - 1.40) 0.50mm ² (DIA 1.40 - 1.70)
TERMINAL - FEMALE (Sn)	1.50	TIN	330122002	COPPER ALLOY/TIN PLATE	20AWG (DIA 1.70 - 1.85) 0.75mm ² (DIA 1.70 - 1.90) 18AWG (DIA 1.91 - 2.06)
TERMINAL - FEMALE (Sn)	1.50	TIN	330122001	COPPER ALLOY/TIN PLATE	0.80mm ² 16AWG (DIA 2.18 - 2.34) 1.50mm ² (DIA 2.20 - 2.40)

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 GPEC IV CONNECTOR ASSEMBLY 103 CIRCUIT						
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				PRODUCT CUSTOMER DRAWING								
ANGULAR TOL ±														
4 PLACES ±														
3 PLACES ±		INITIAL REVISION: DRWN: NBOHIDAR 2018/09/01 APPR: APROFFITT 2018/09/07				DOCUMENT NUMBER 349930001-SD		DOC TYPE PSD		DOC PART 000		REVISION A8		
2 PLACES ±														
1 PLACE ±														
0 PLACES ±		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER			SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				E-SIZE		34993		CHARTED		GENERAL MARKET			1 OF 3	

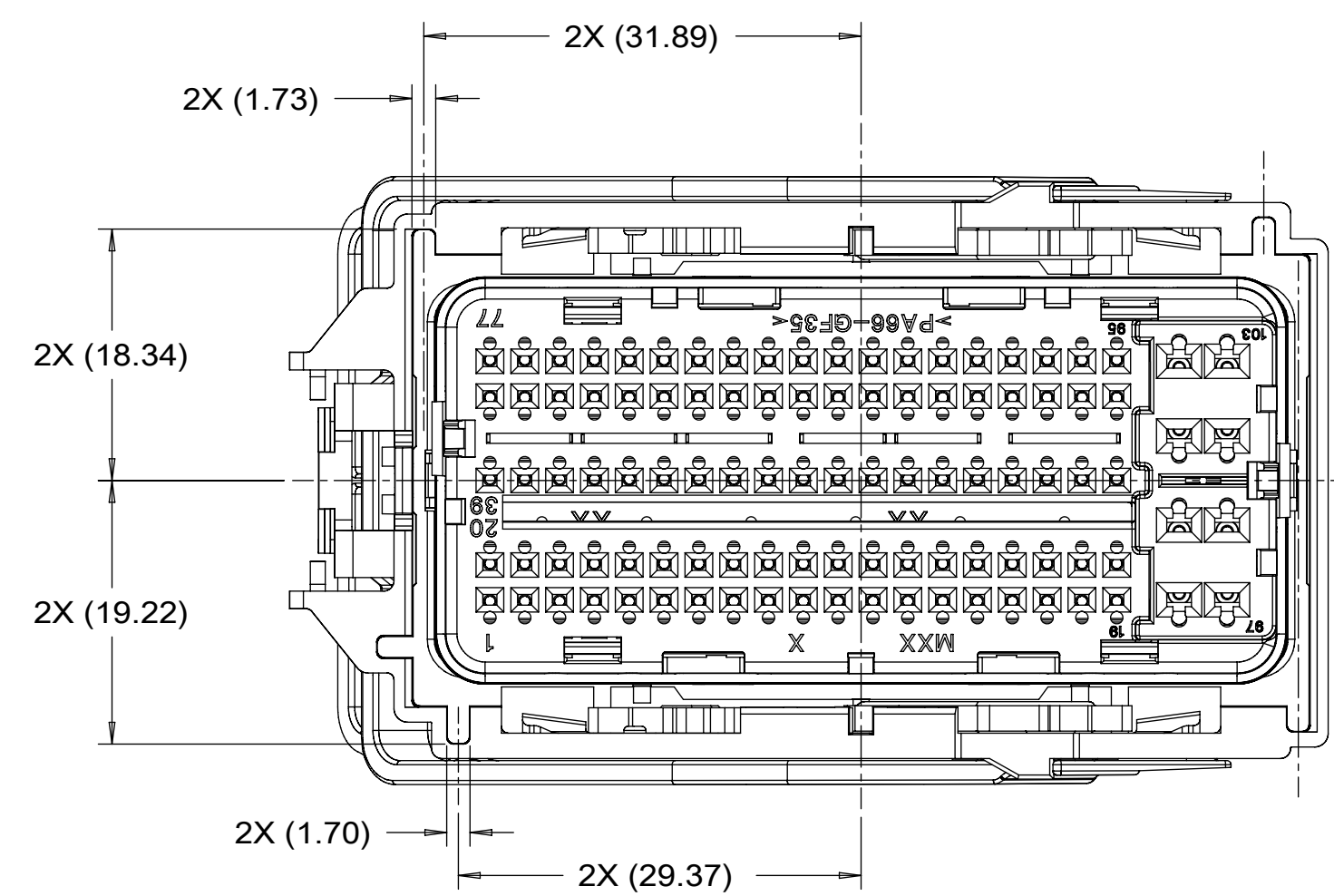
KEYWAY DEFINITION



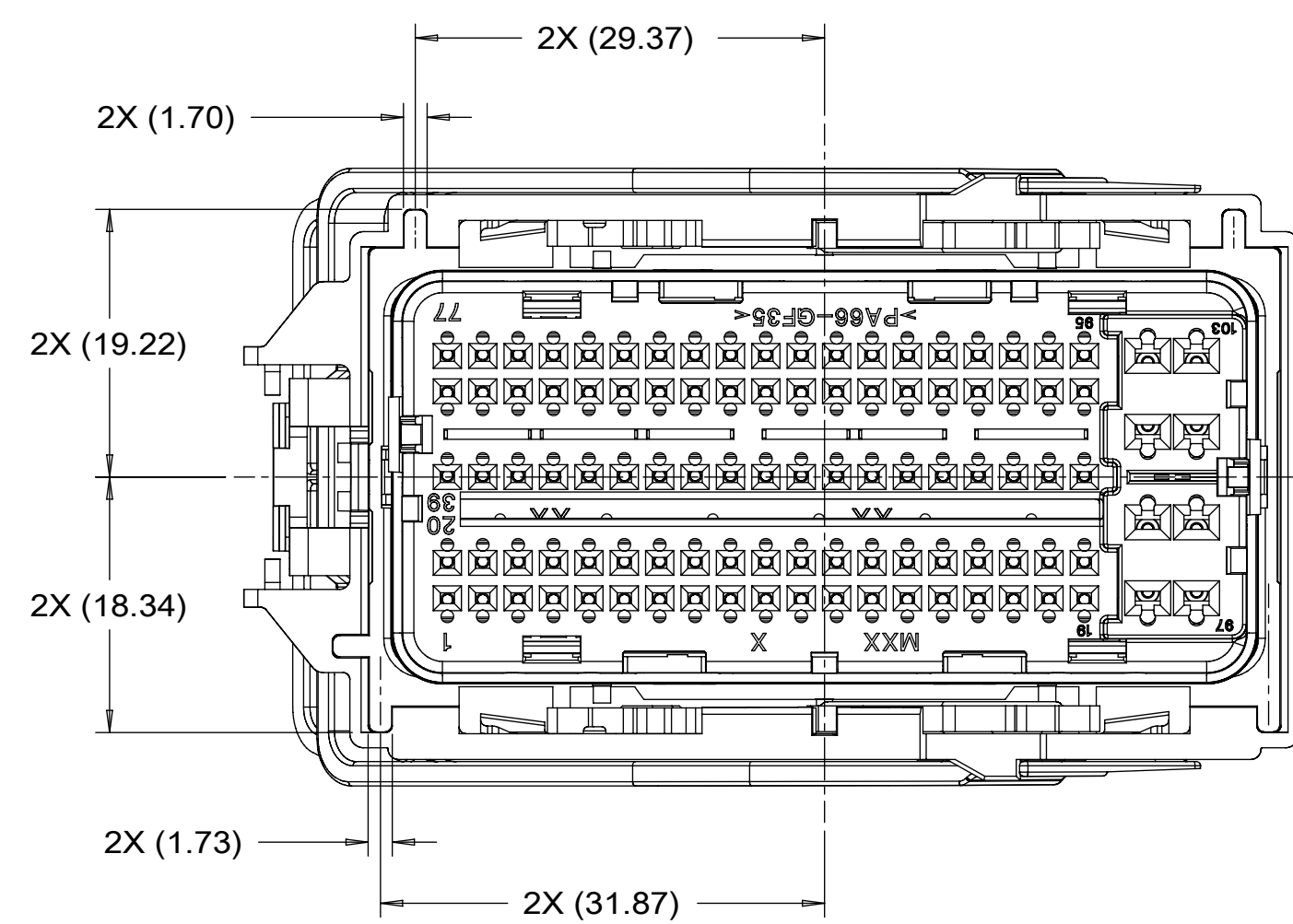
34993-0XXX (END LATCH LEVER)
34993-1XXX (TOP LATCH LEVER)
KEY OPTION 1



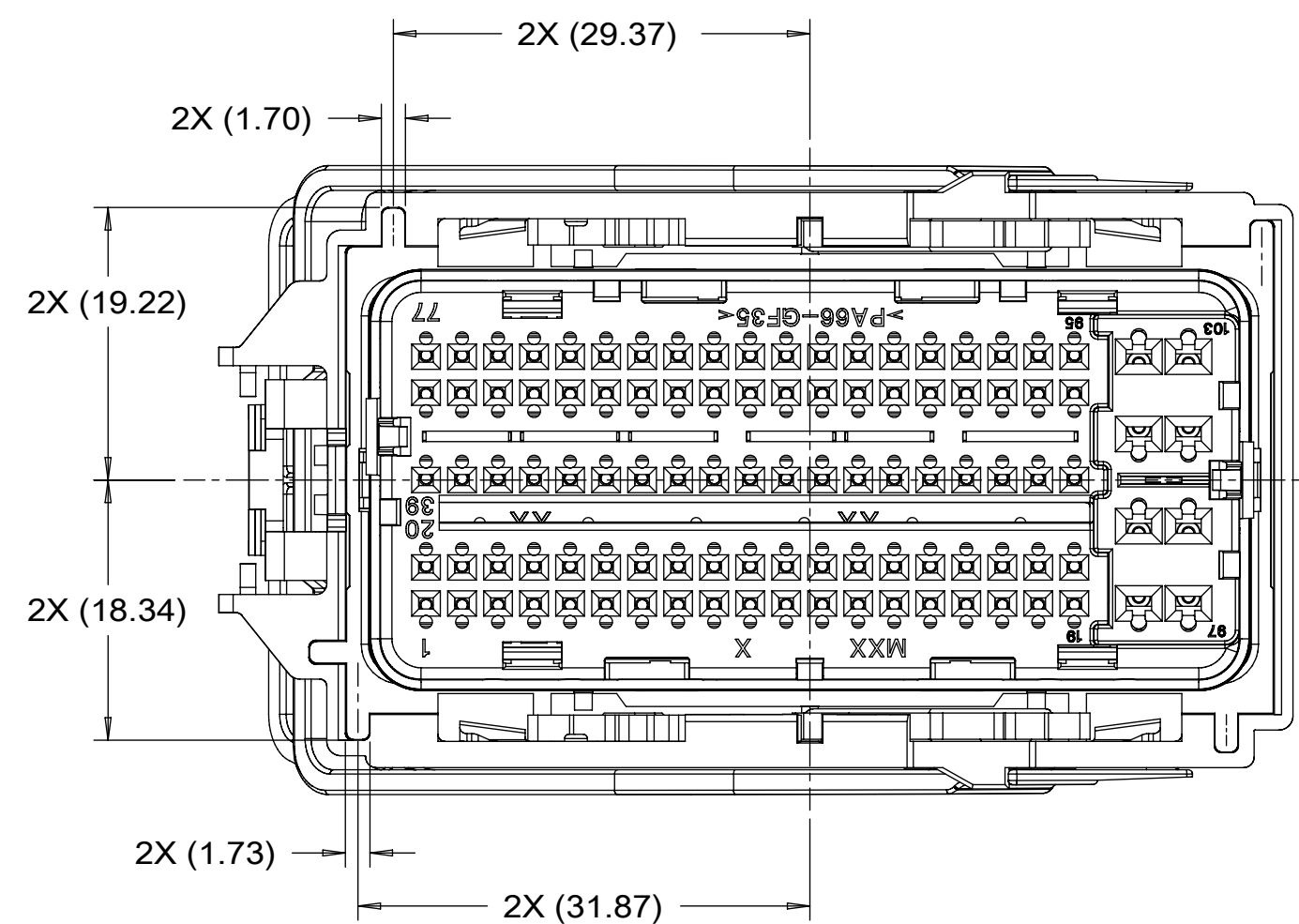
34993-6XXX (END LATCH LEVER)
34993-7XXX (TOP LATCH LEVER)
KEY OPTION 4



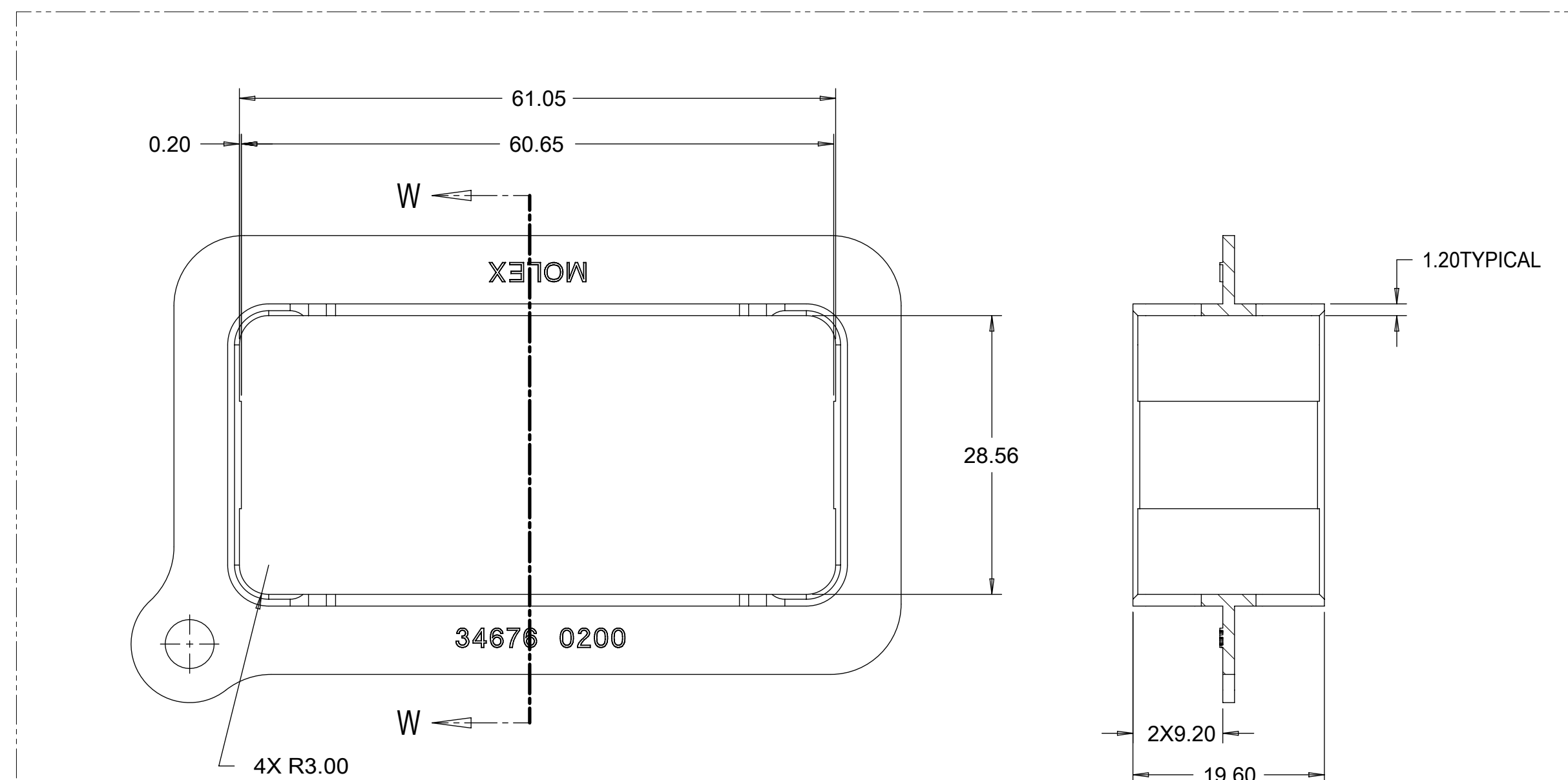
34993-2XXX (END LATCH LEVER)
34993-3XXX (TOP LATCH LEVER)
KEY OPTION 2



34993-8XXX (END LATCH LEVER)
34993-9XXX (TOP LATCH LEVER)
KEY OPTION 5



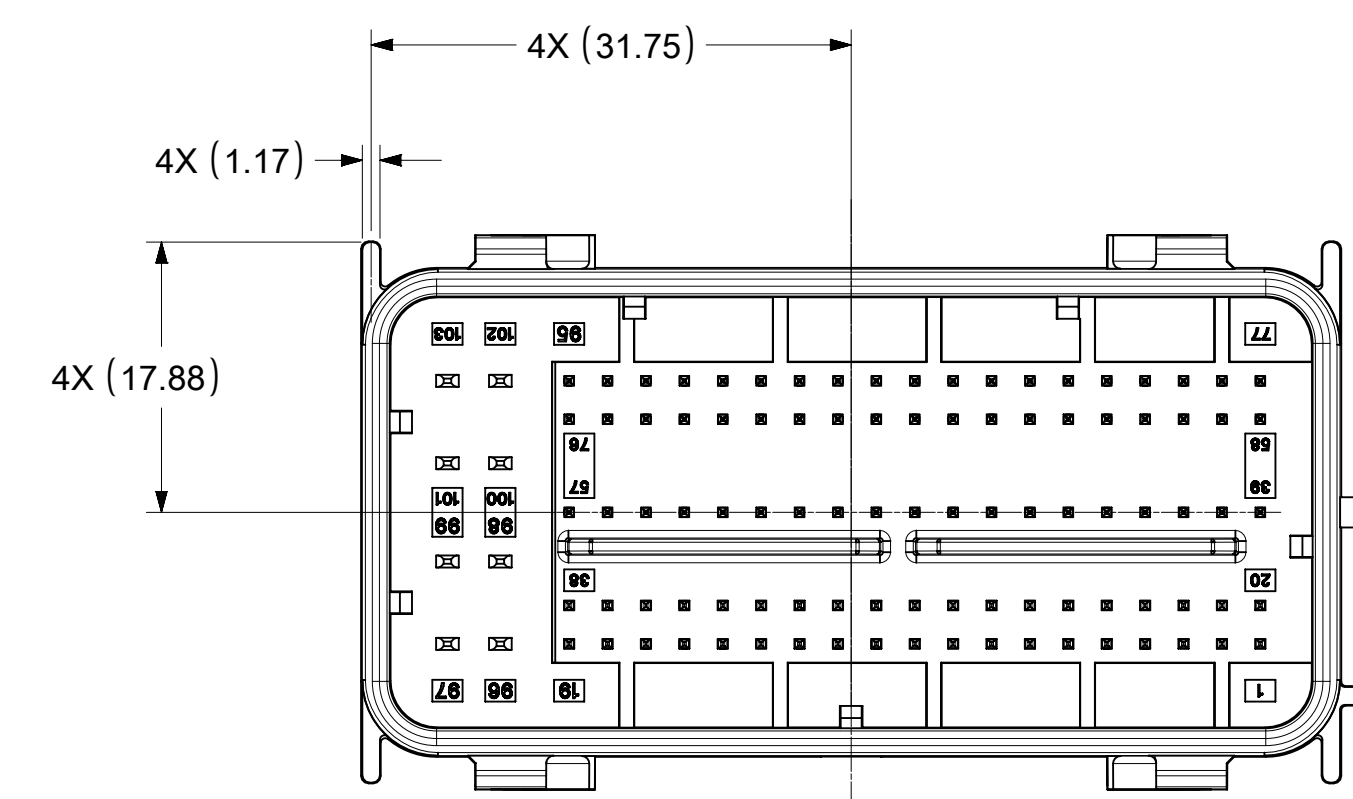
34993-4XXX (END LATCH LEVER)
34993-5XXX (TOP LATCH LEVER)
KEY OPTION 3



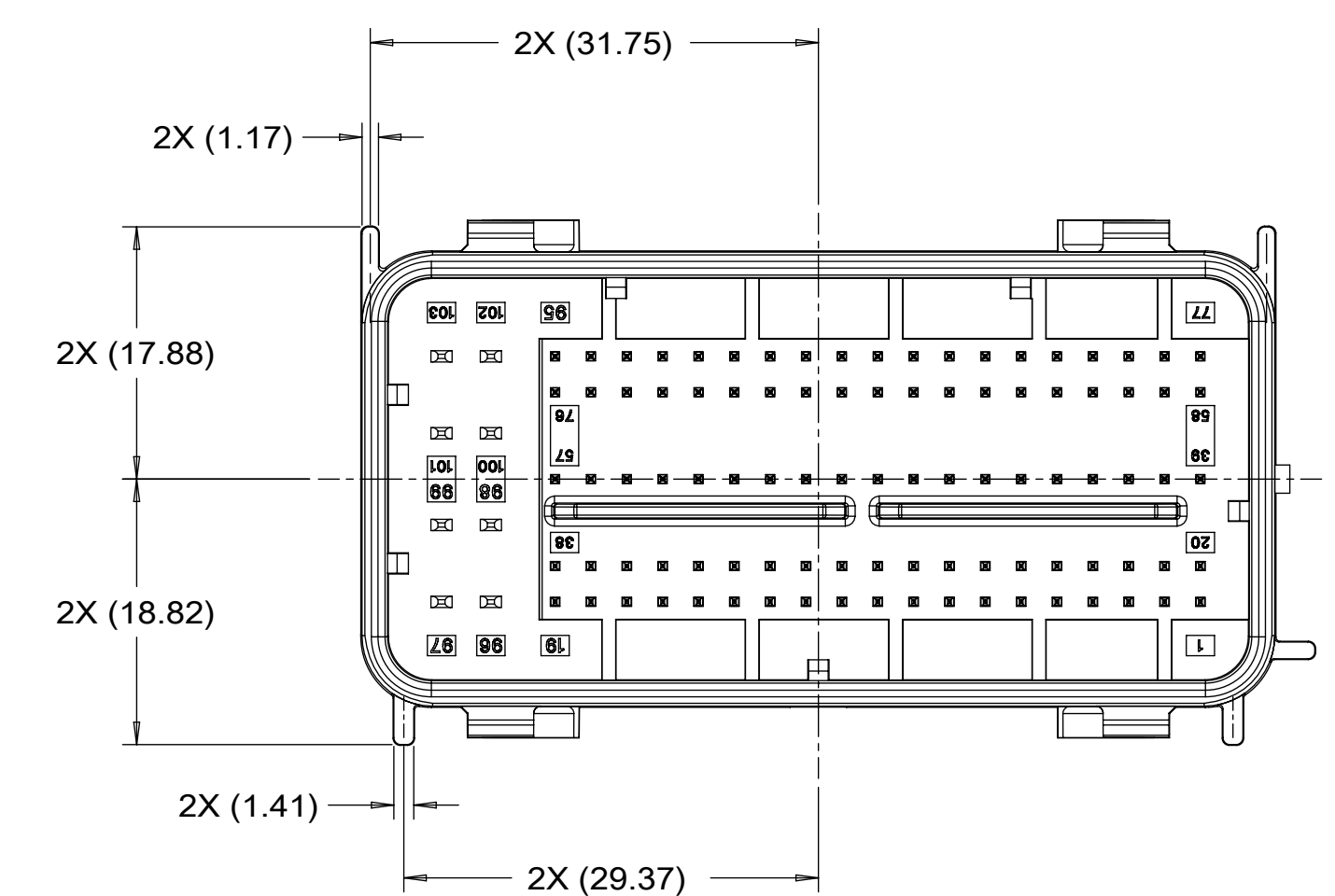
SECTION W-W

TPA SEATING TOOL

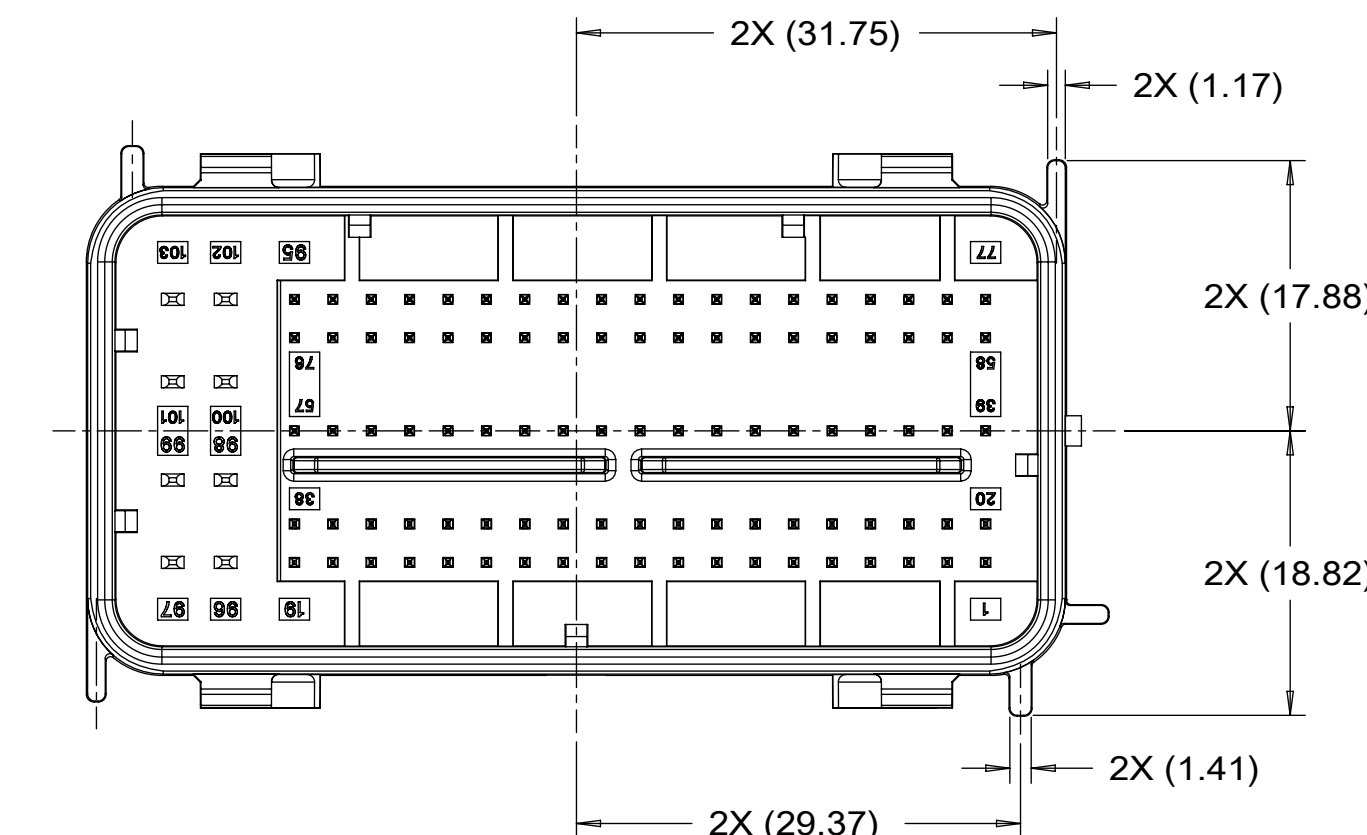
RECOMMENDED MATING INTERFACE



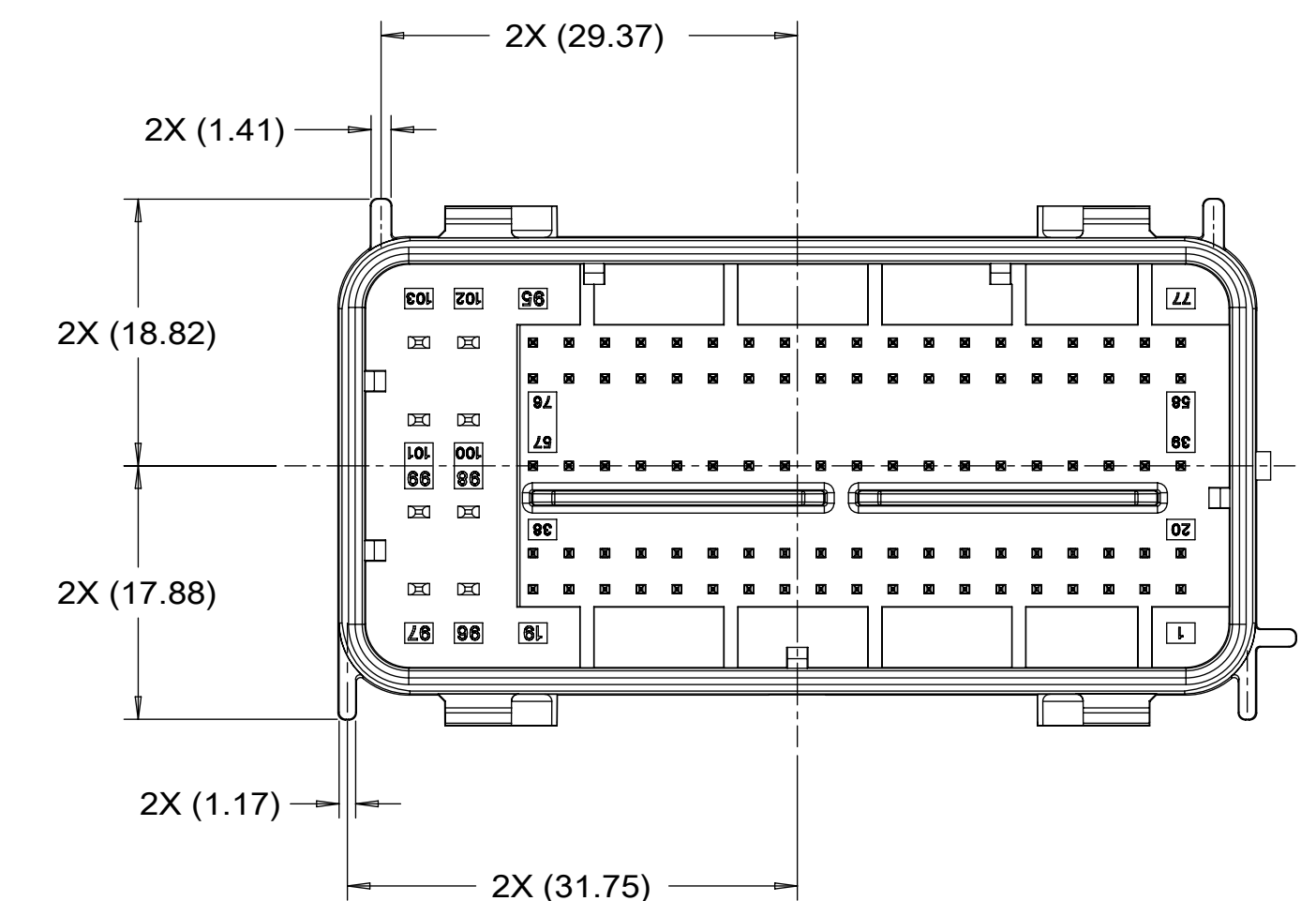
KEY OPTION 1



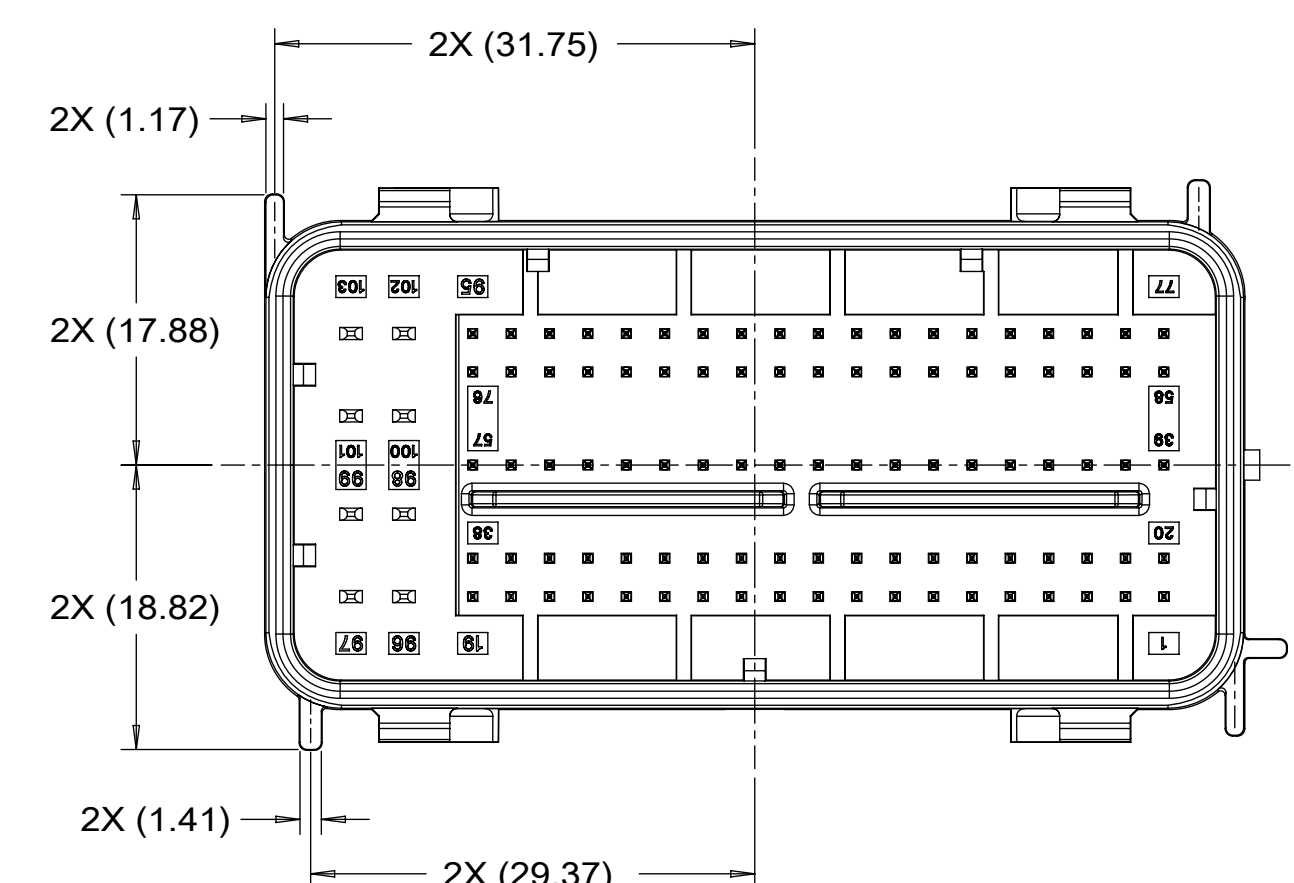
KEY OPTION 4



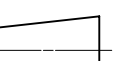
KEY OPTION 2



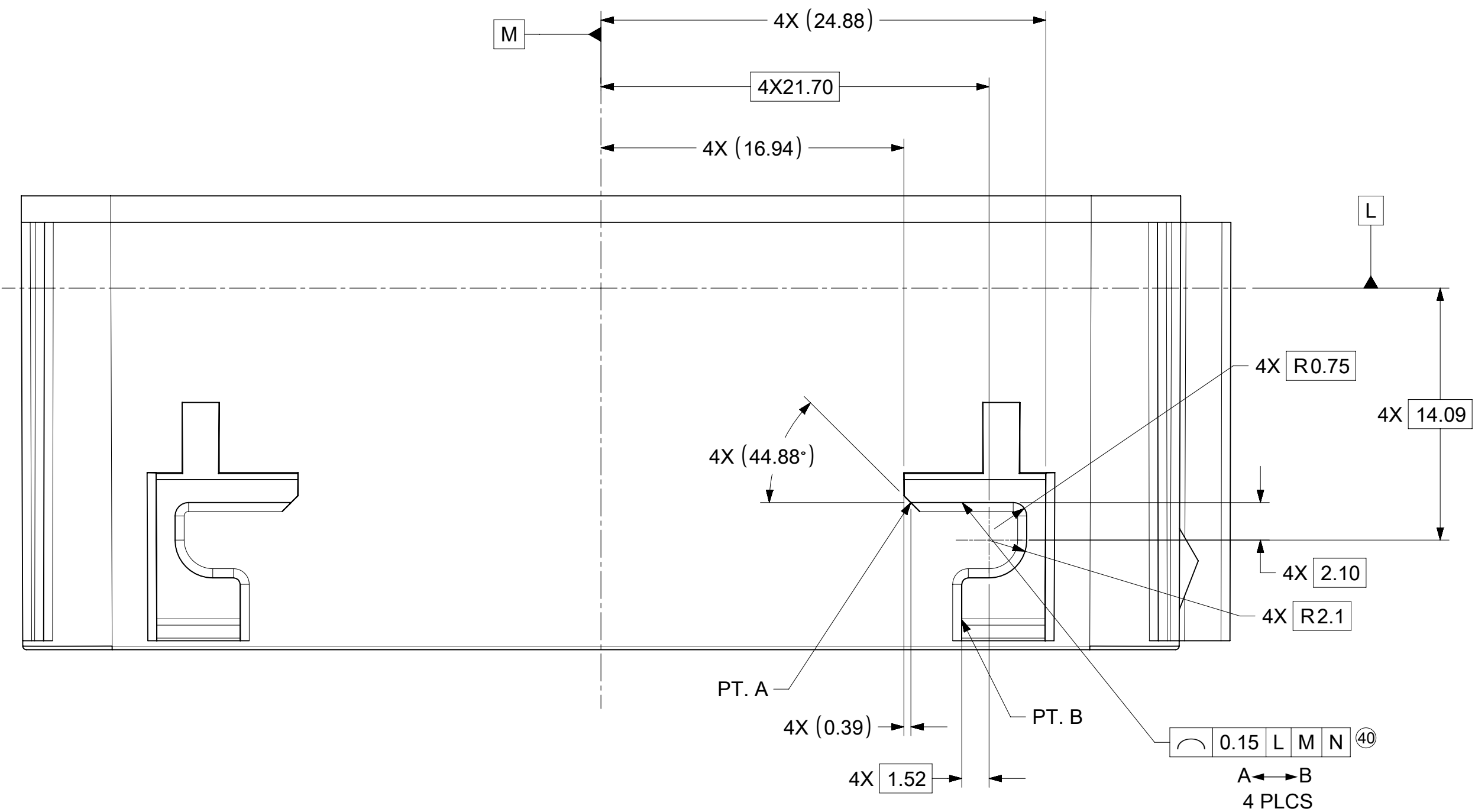
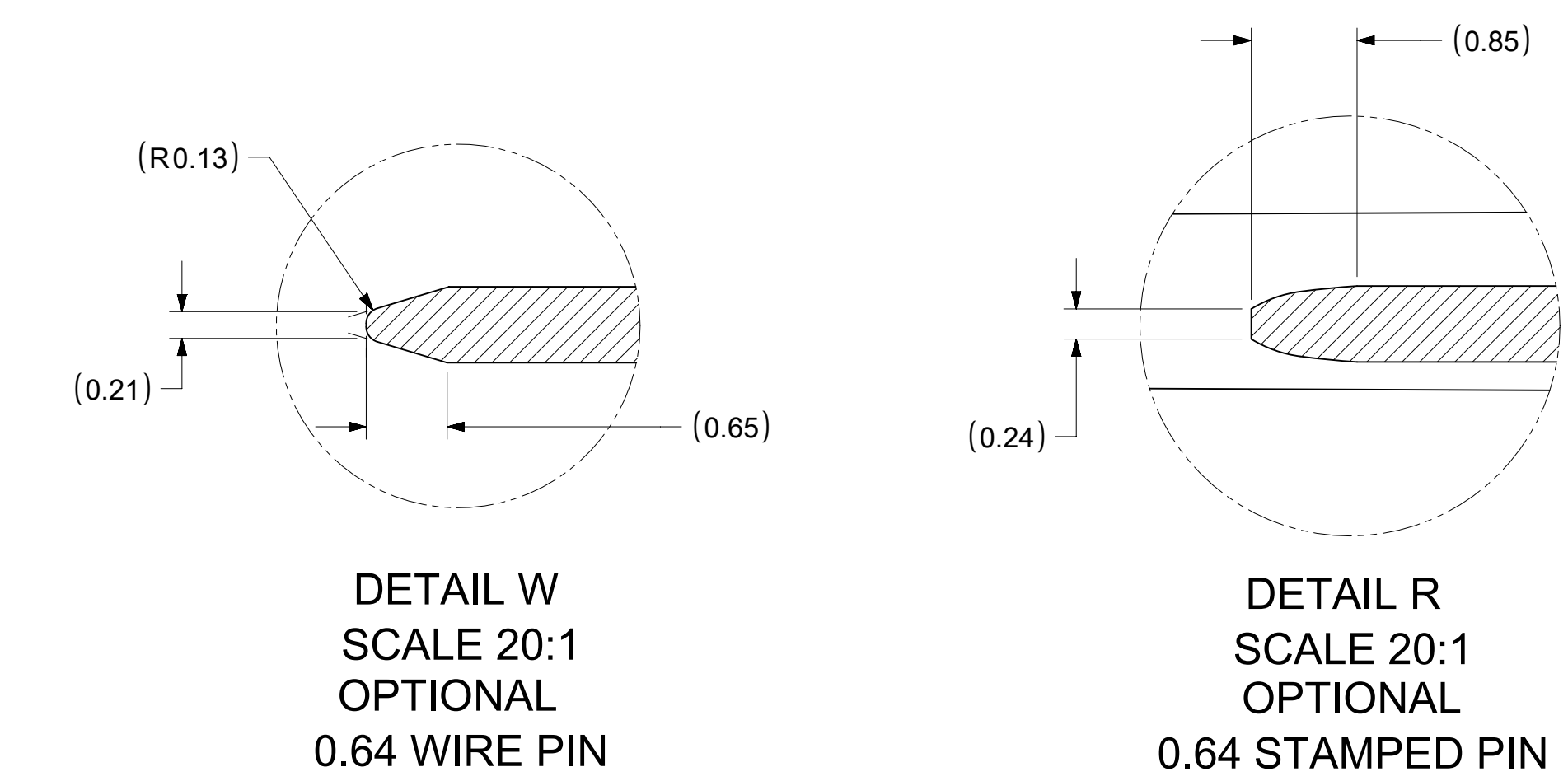
KEY OPTION 5



KEY OPTION 3

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																
ANGULAR TOL ±																		
4 PLACES						INITIAL REVISION: DRWN: NBOHIDAR 2018/09/01 APPR: APROFFITT 2018/09/07												
3 PLACES		GPEC IV CONNECTOR ASSEMBLY 103 CIRCUIT																
2 PLACES ±																		
1 PLACE ±		PRODUCT CUSTOMER DRAWING																
0 PLACES ±																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION			
						E-SIZE		34993		349930001-SD			PSD		000		A8	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER				
								CHARTED		GENERAL MARKET				2 OF 3				

RECOMMENDED MATING INTERFACE



NOTES FOR INTERFACE: UNLESS OTHERWISE SPECIFIED

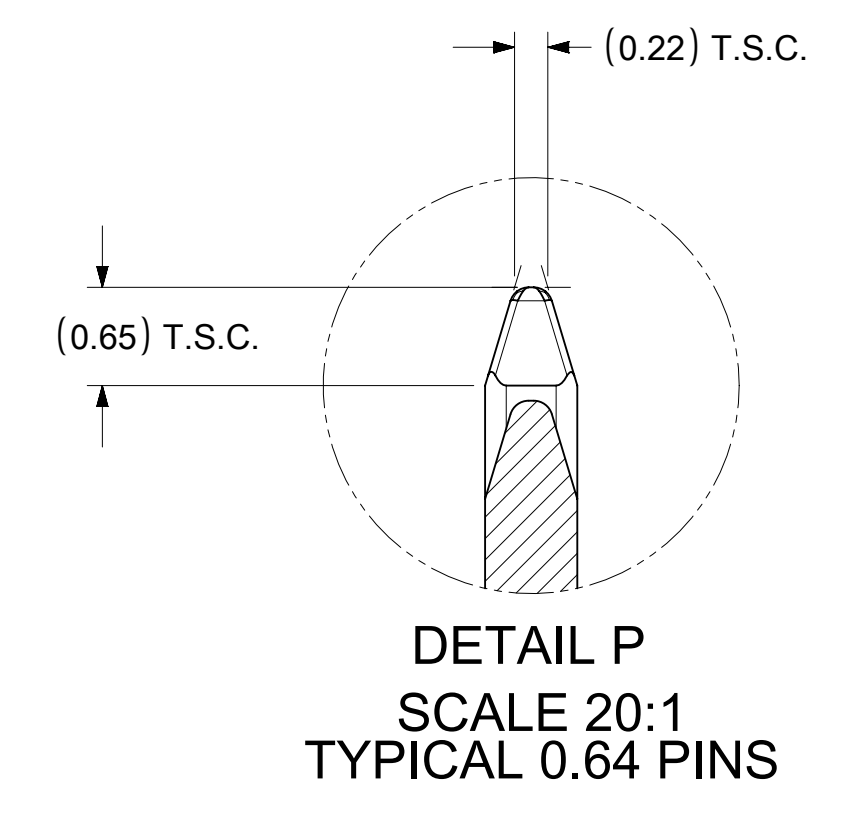
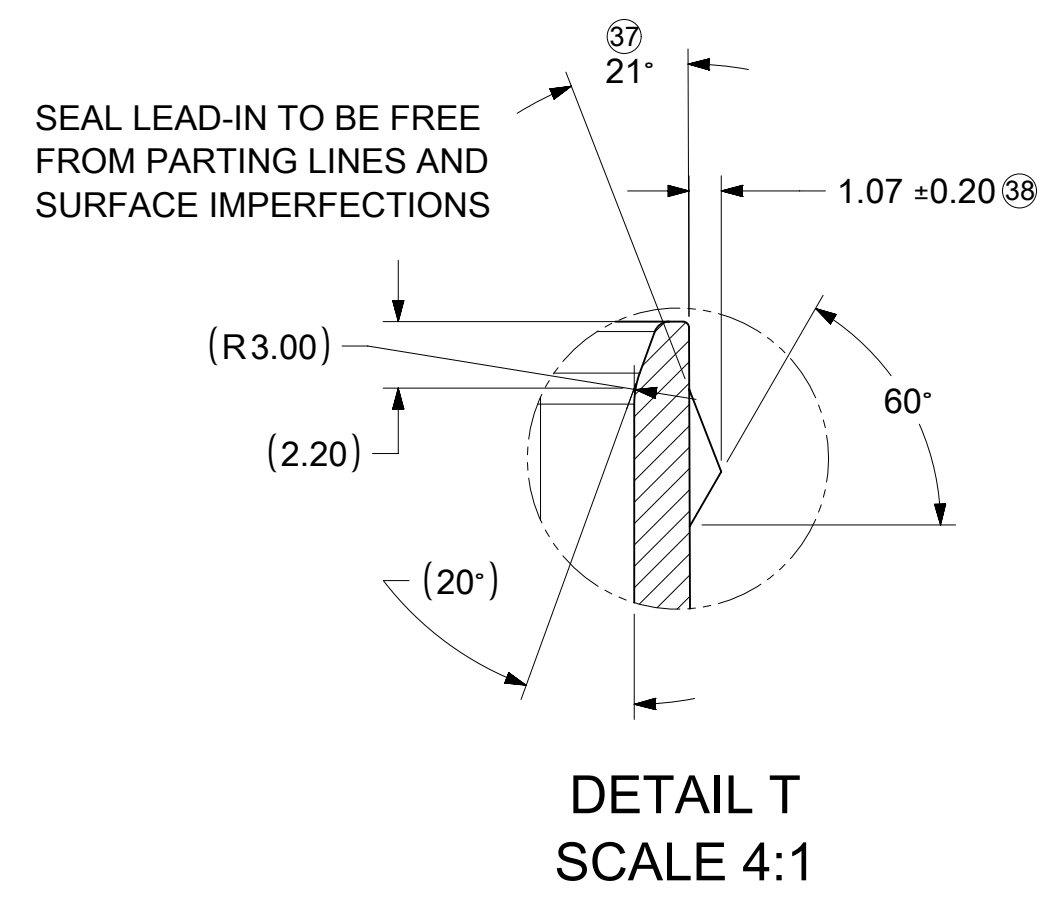
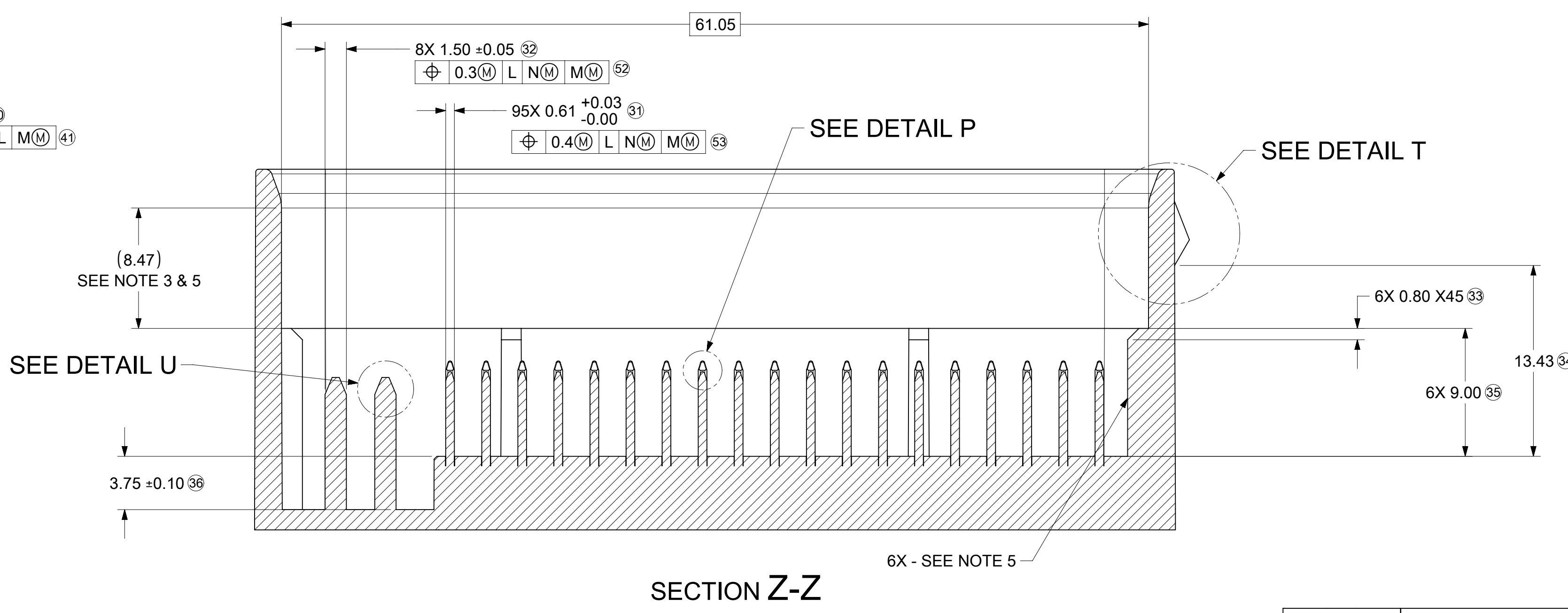
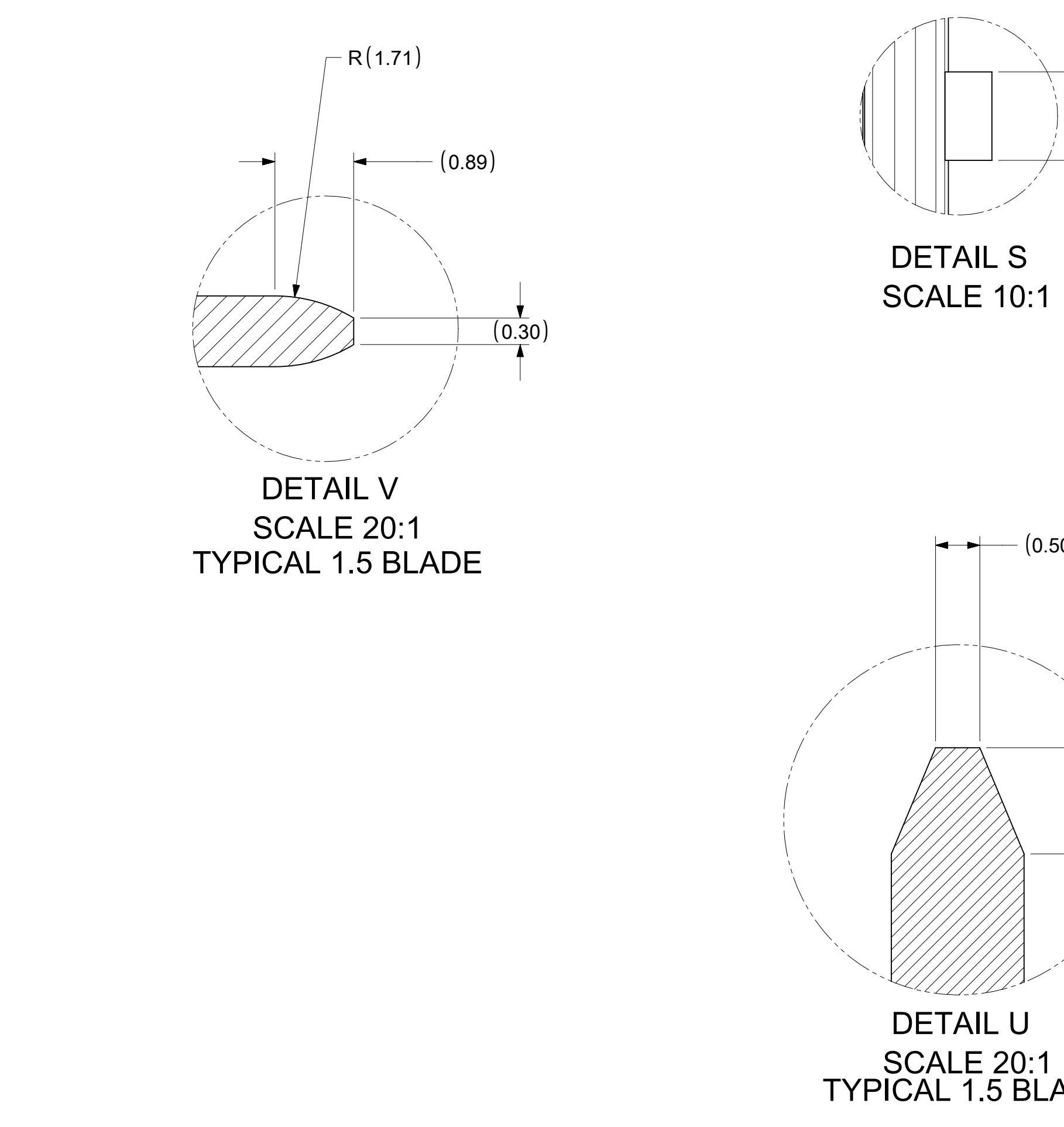
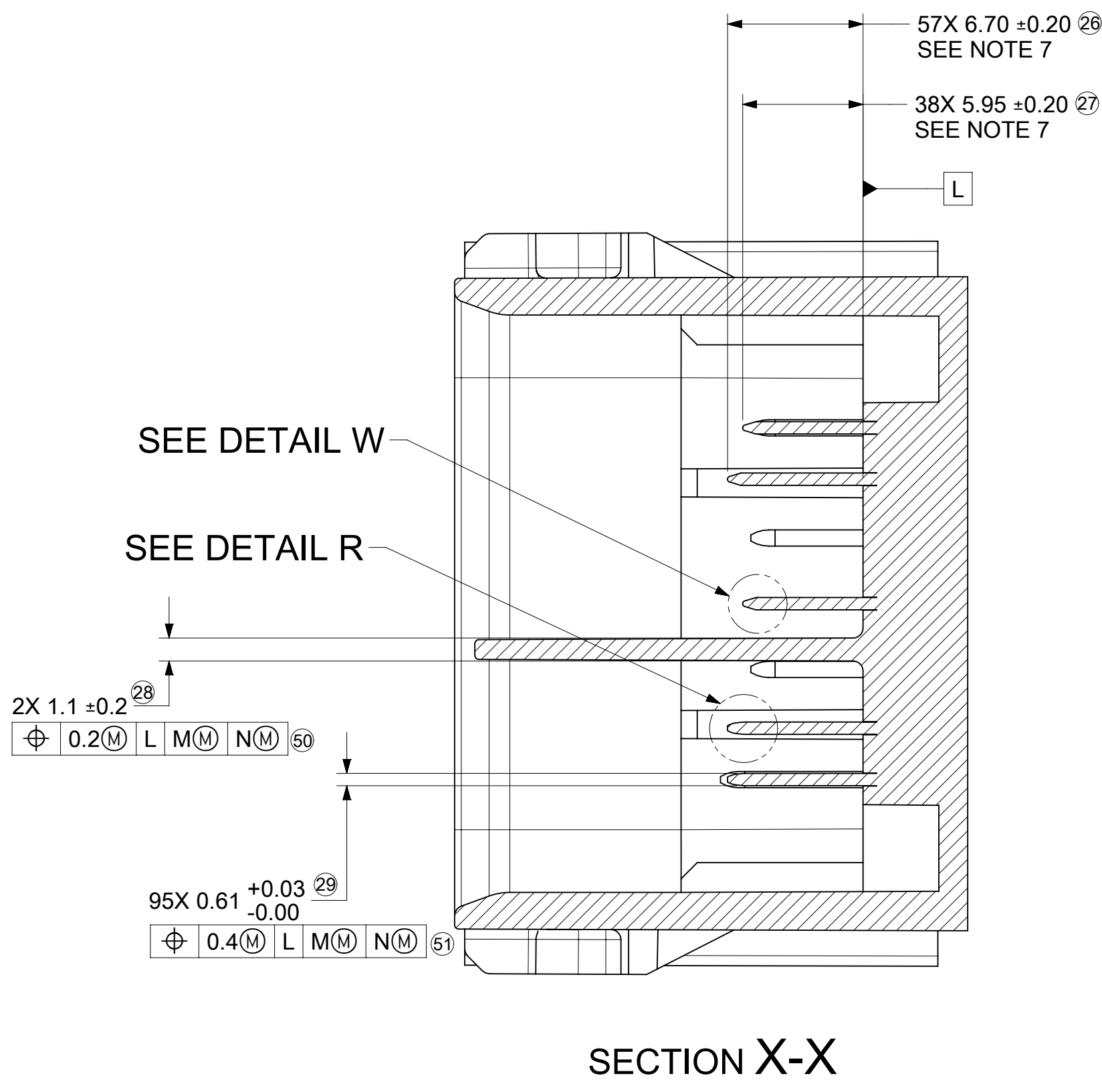
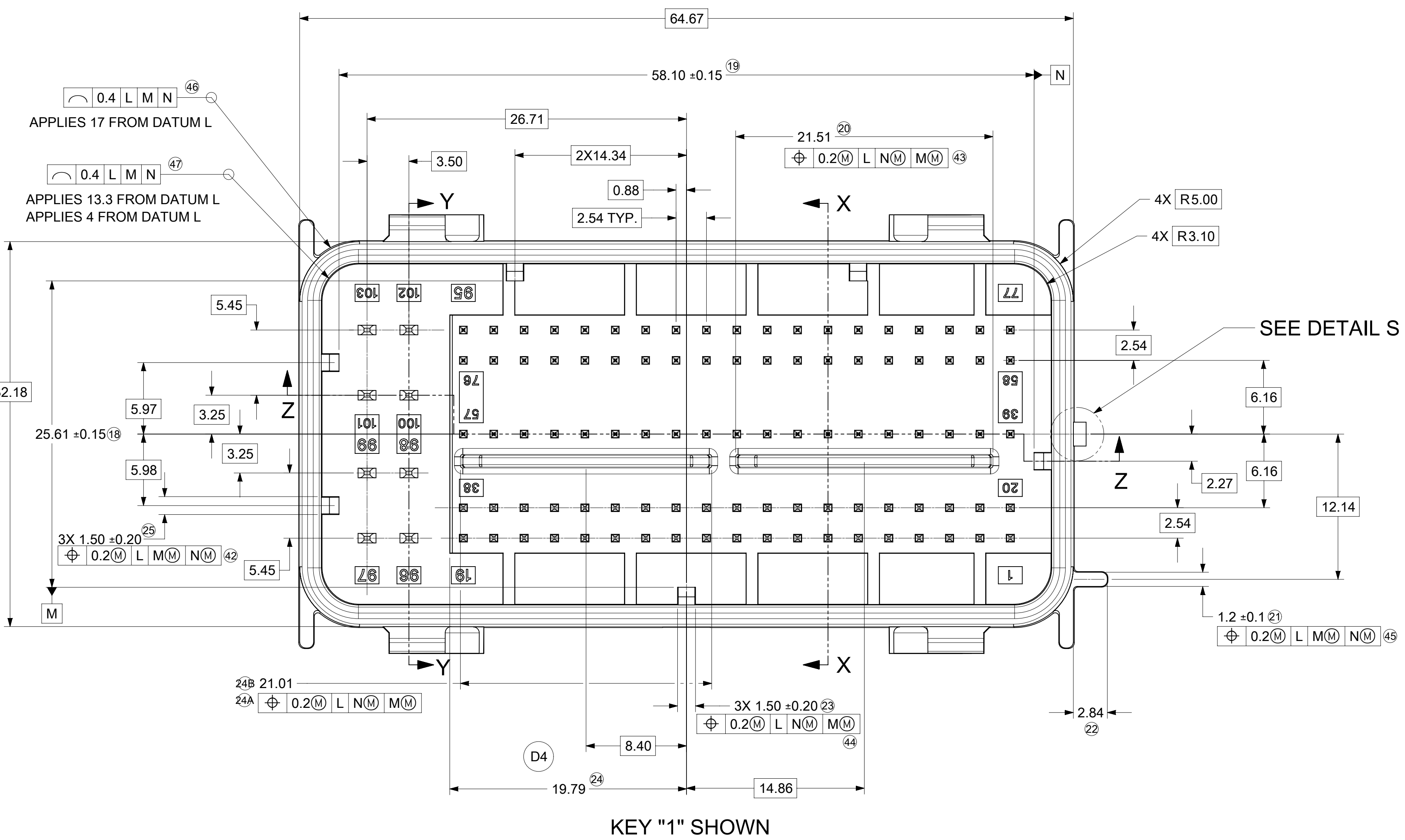
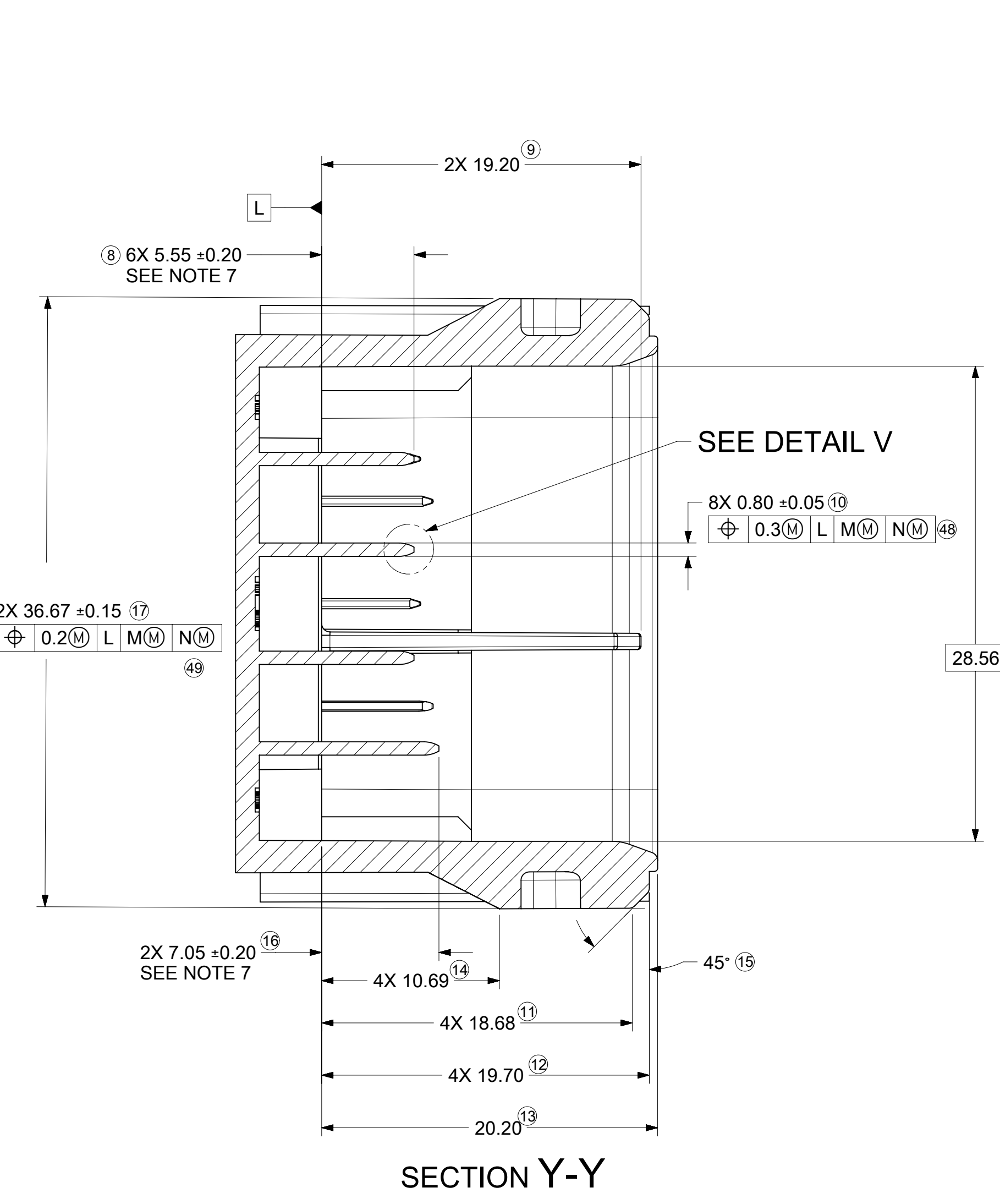
1. GENERAL TOLERANCES:
LINEAR DIMENSIONS: +0.20
ANGULAR DIMENSIONS: +3°
2. DRAFT ANGLE PERMISSIBLE ONLY WITHIN DRAWING TOLERANCE.
3. SEAL SURFACE. NO WITNESS LINES OR DAMAGE PERMITTED.
4. ALL UNMARKED RADII TO BE 0.5 MAX. UNLESS OTHERWISE SPECIFIED.
5. ZERO DRAFT AREA
6. CONNECTION SYSTEM VALIDATED TO 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
	mm	2:1
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	±	
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	
0 PLACES	±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
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
THIRD ANGLE PROJECTION	DRAWING	SERIES
	E-SIZE	34993
MATERIAL NUMBER		CUSTOMER
CHARTED		GENERAL MARKET
SHEET NUMBER		3 OF 3

Mouser Electronics

Authorized Distributor

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