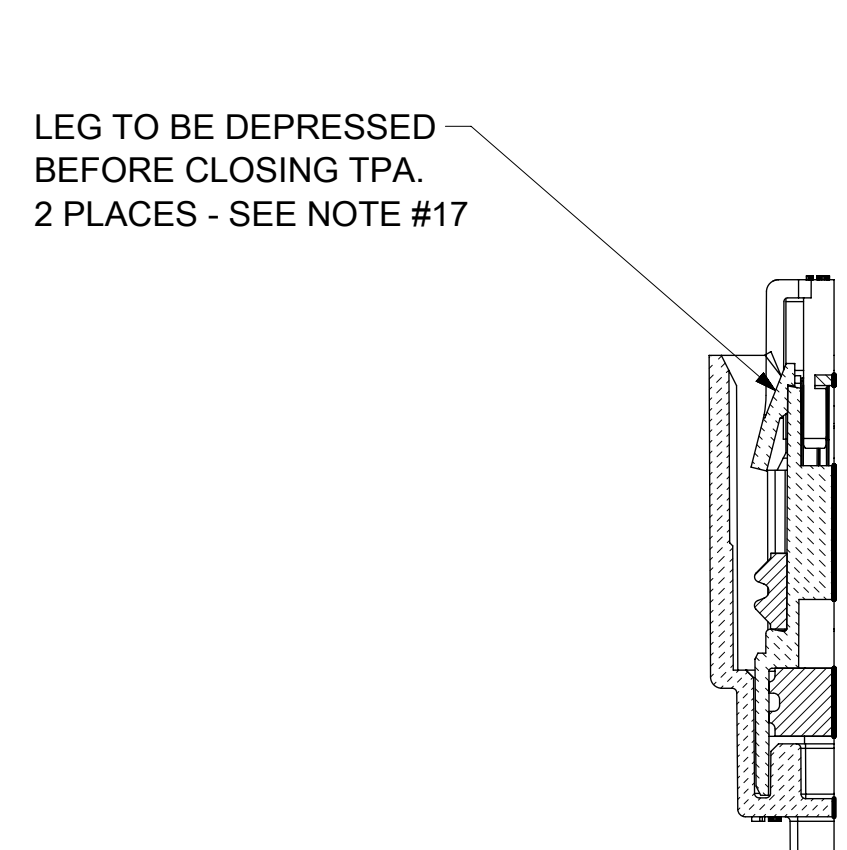
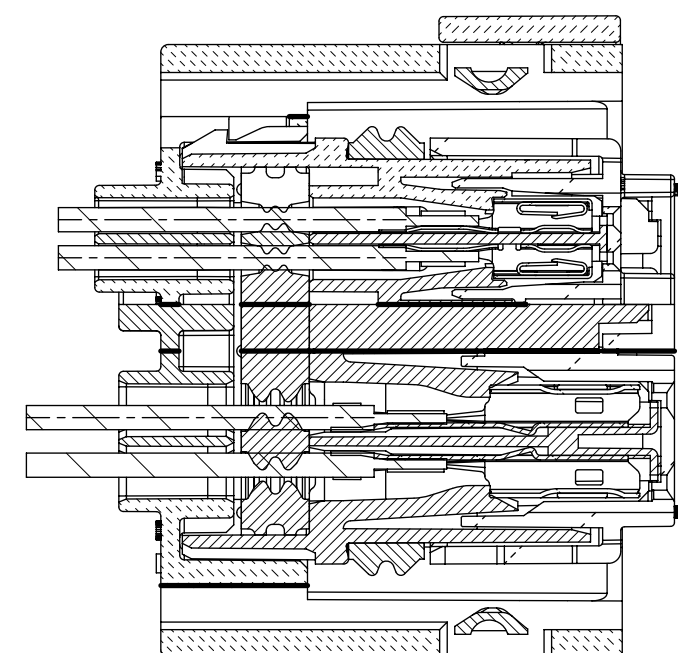
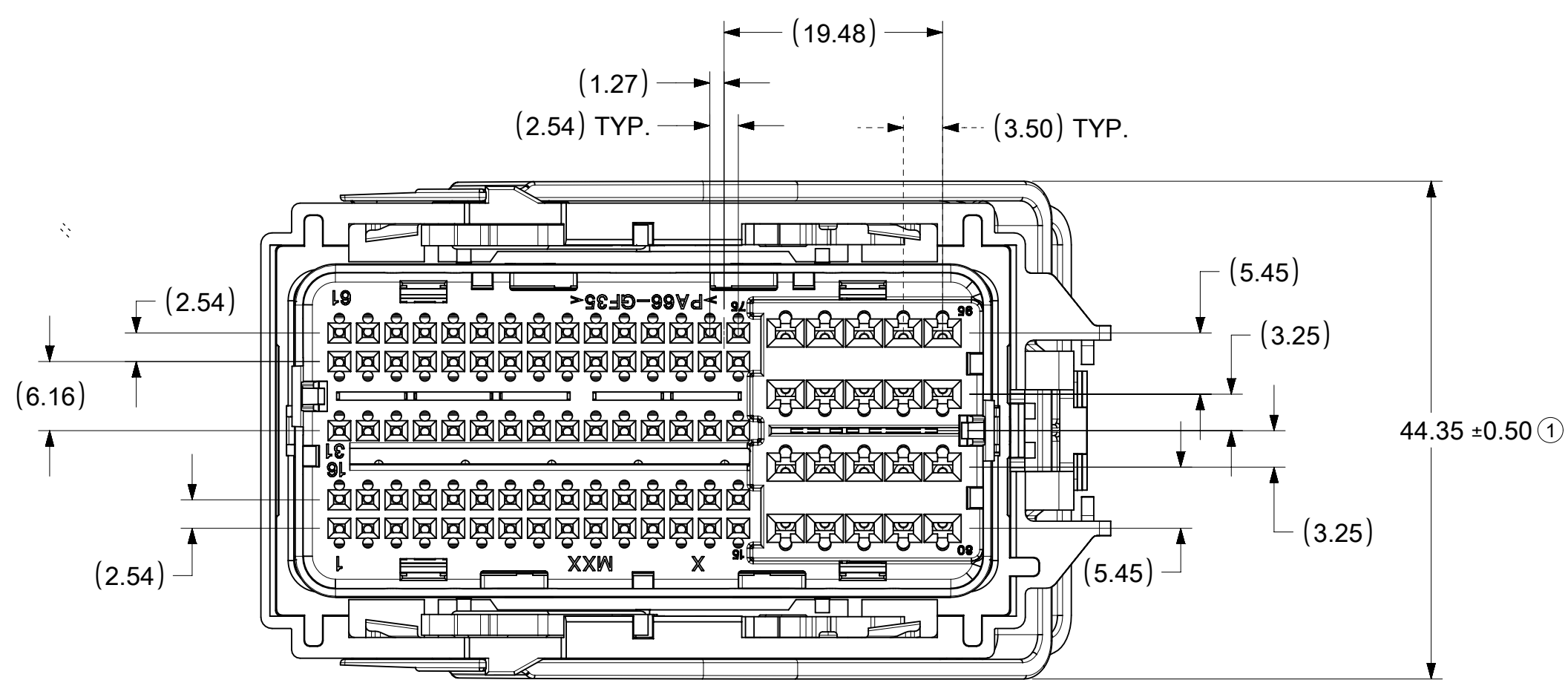
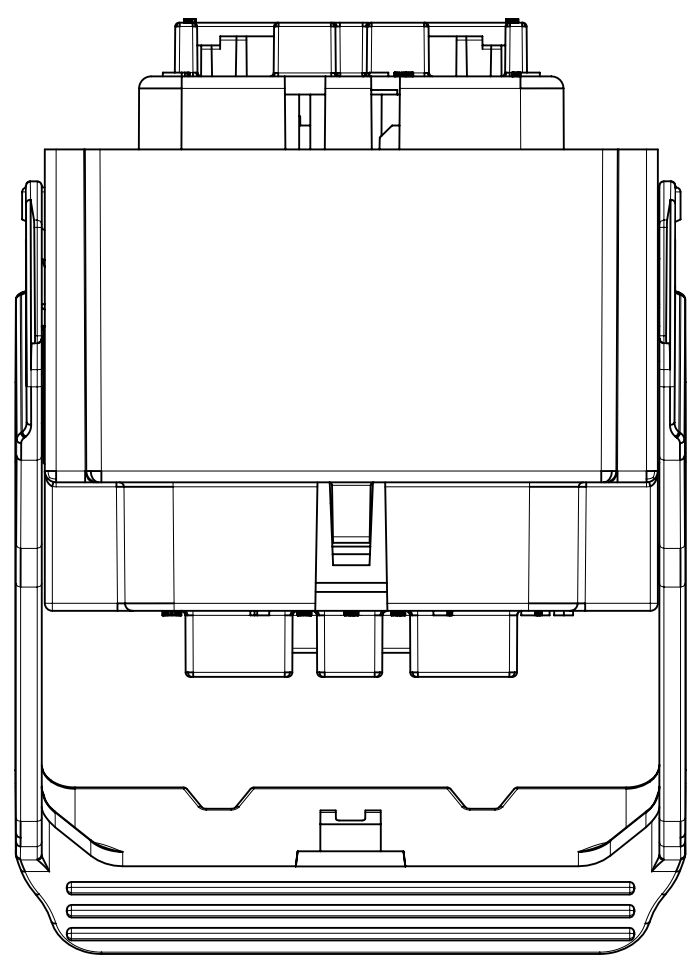




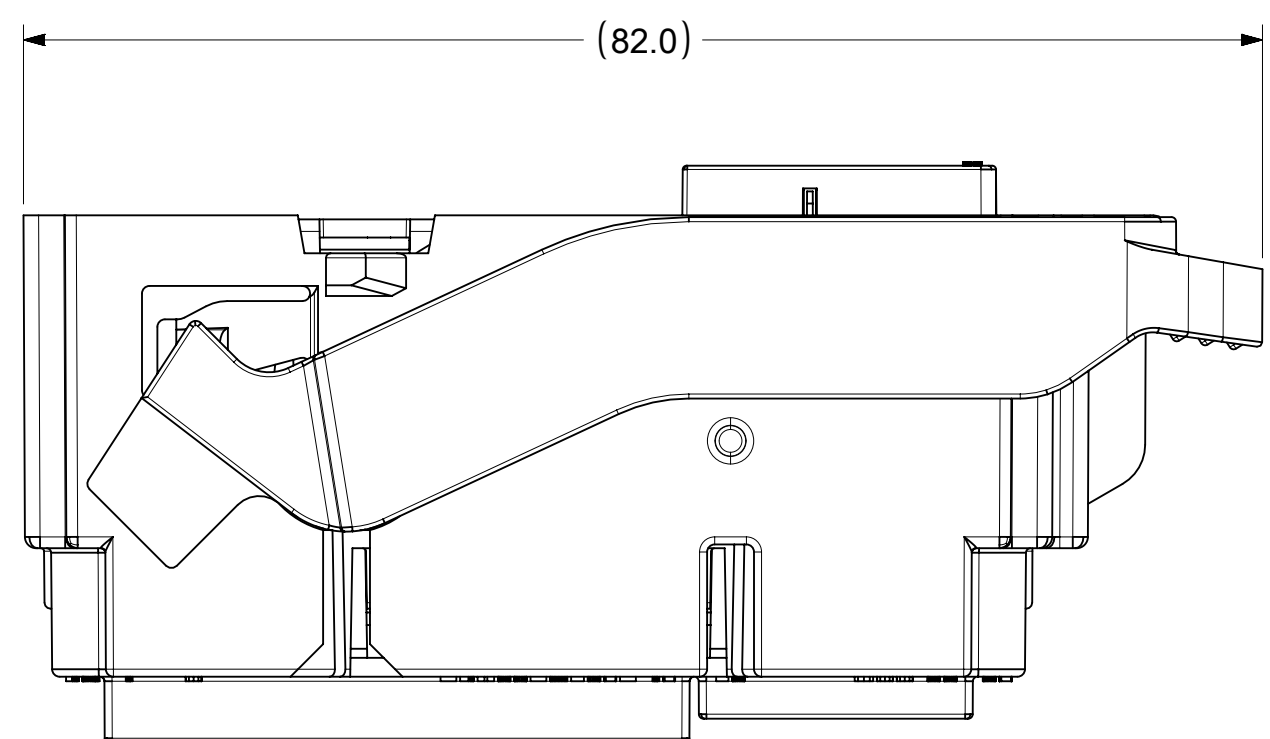
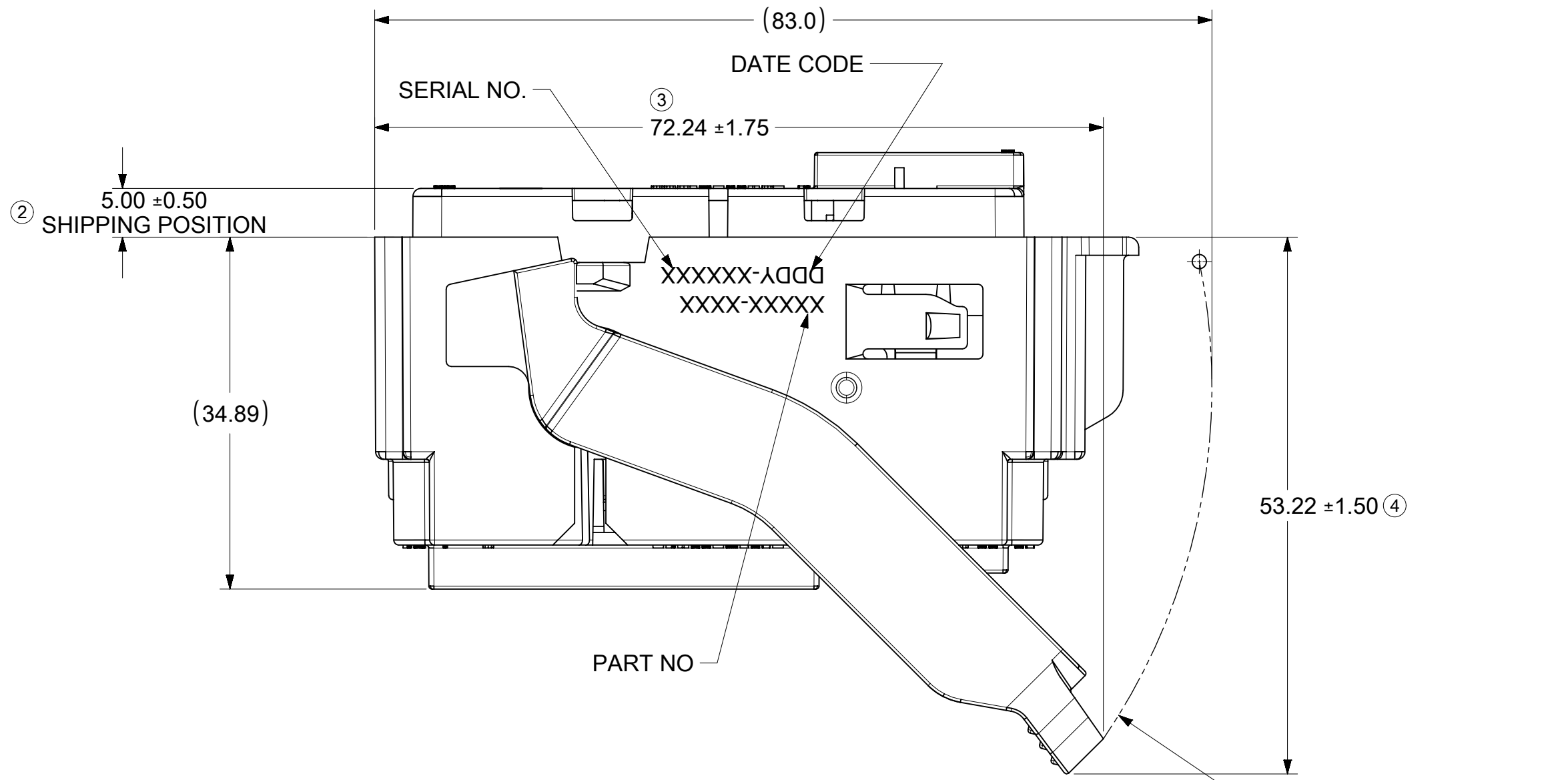
Section Z-Z



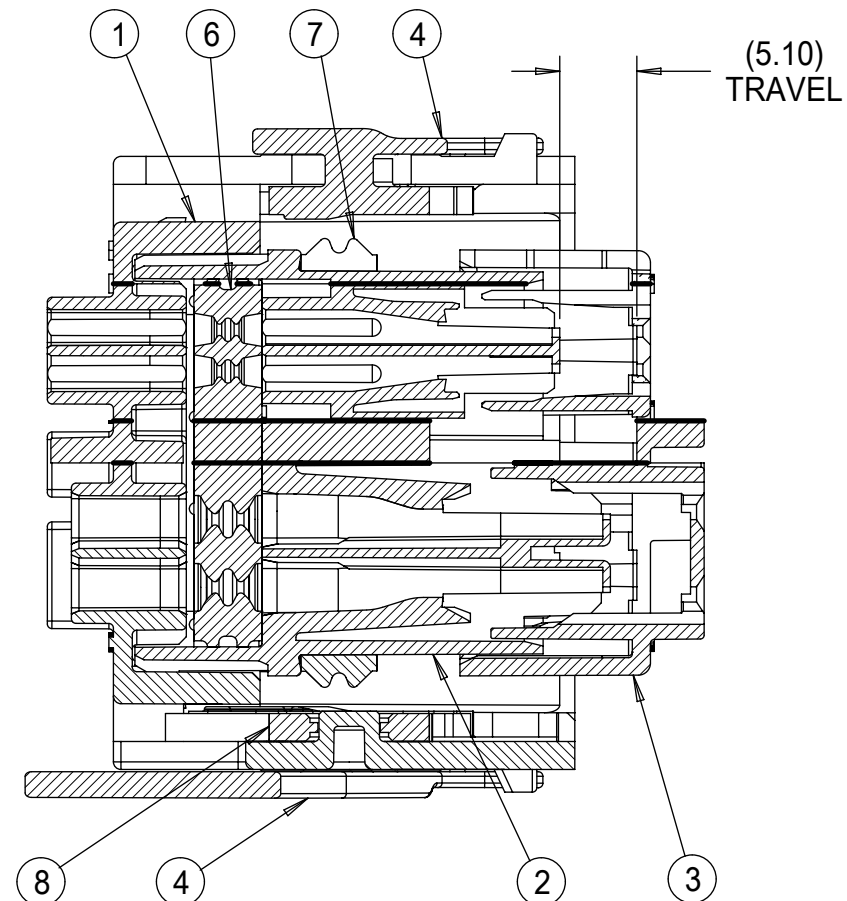
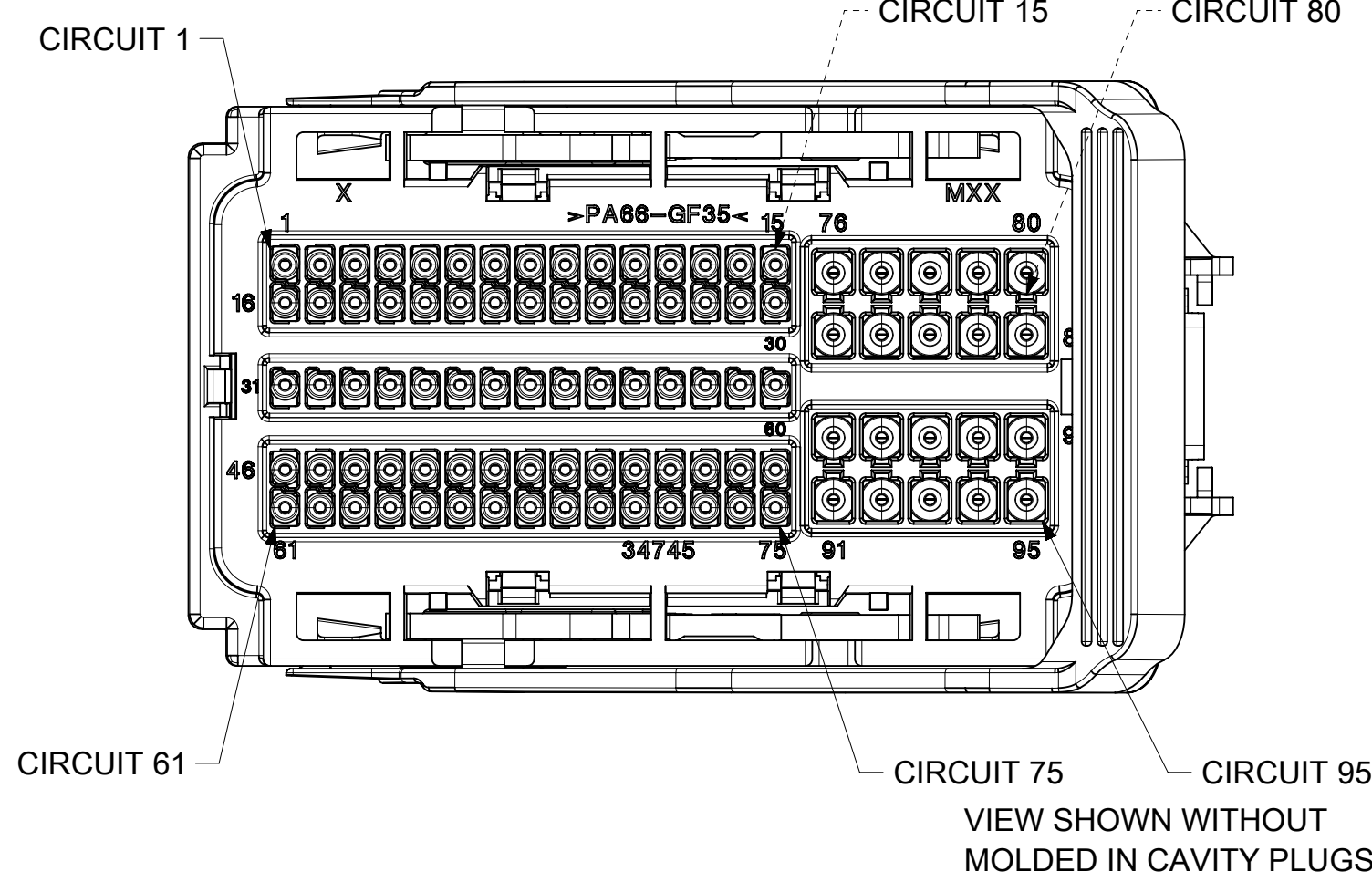
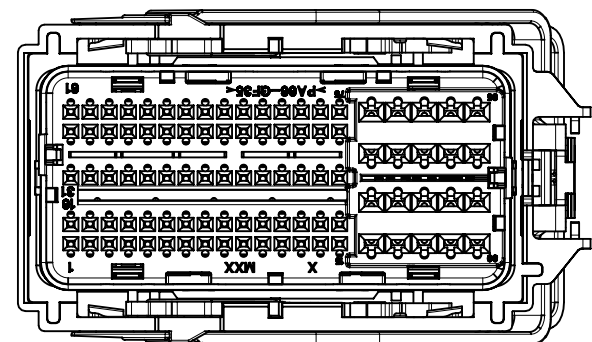
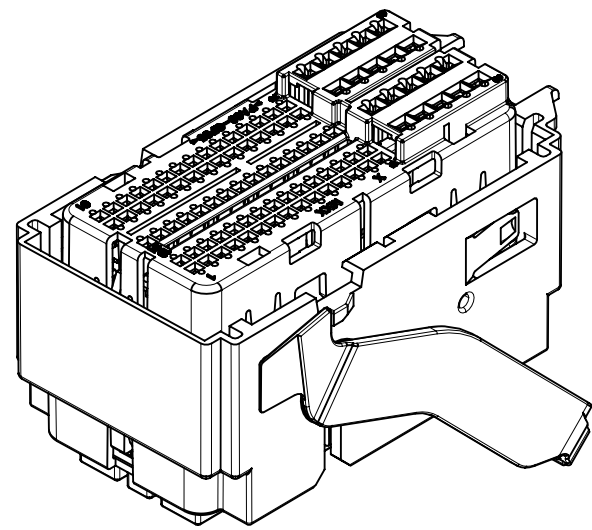
TERMINALS AND TPA SHOWN
IN FINAL LOCKED POSITION
Section X-X



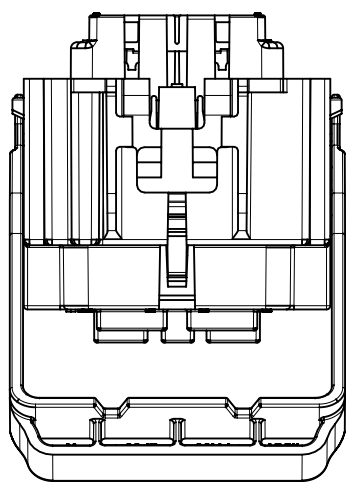
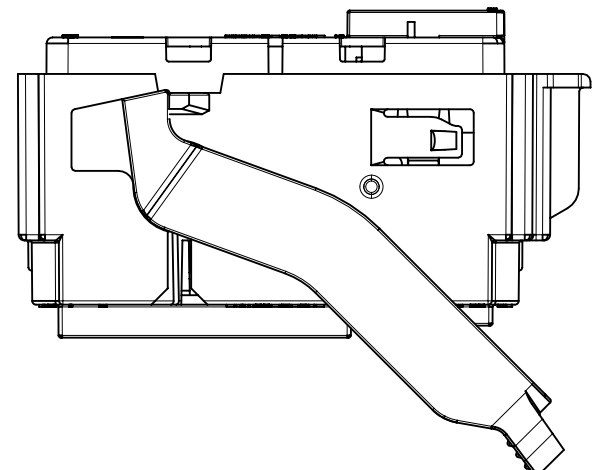
TPA SHOWN IN OPEN POSITION AND
LEVER IN PRE-MATE POSITION



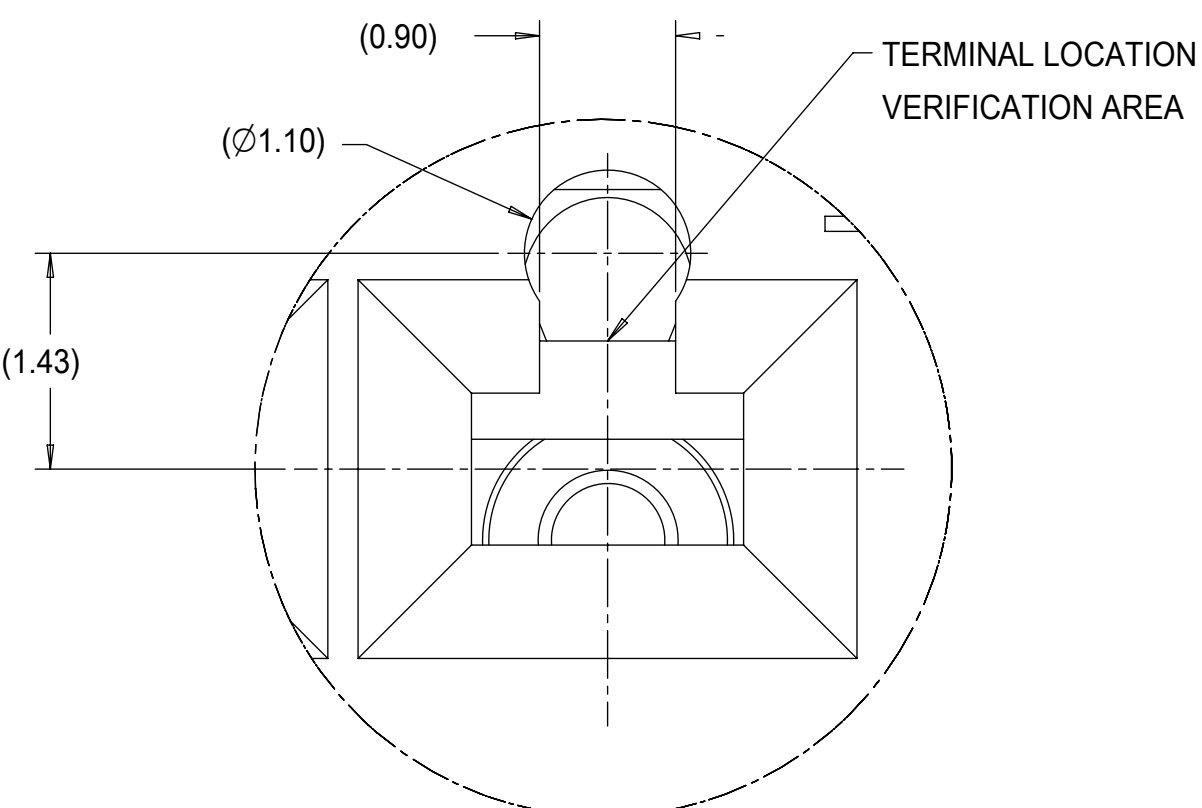
TPA SHOWN IN CLOSED POSIION AND
LEVER IN MATE POSITION



Section Y-Y

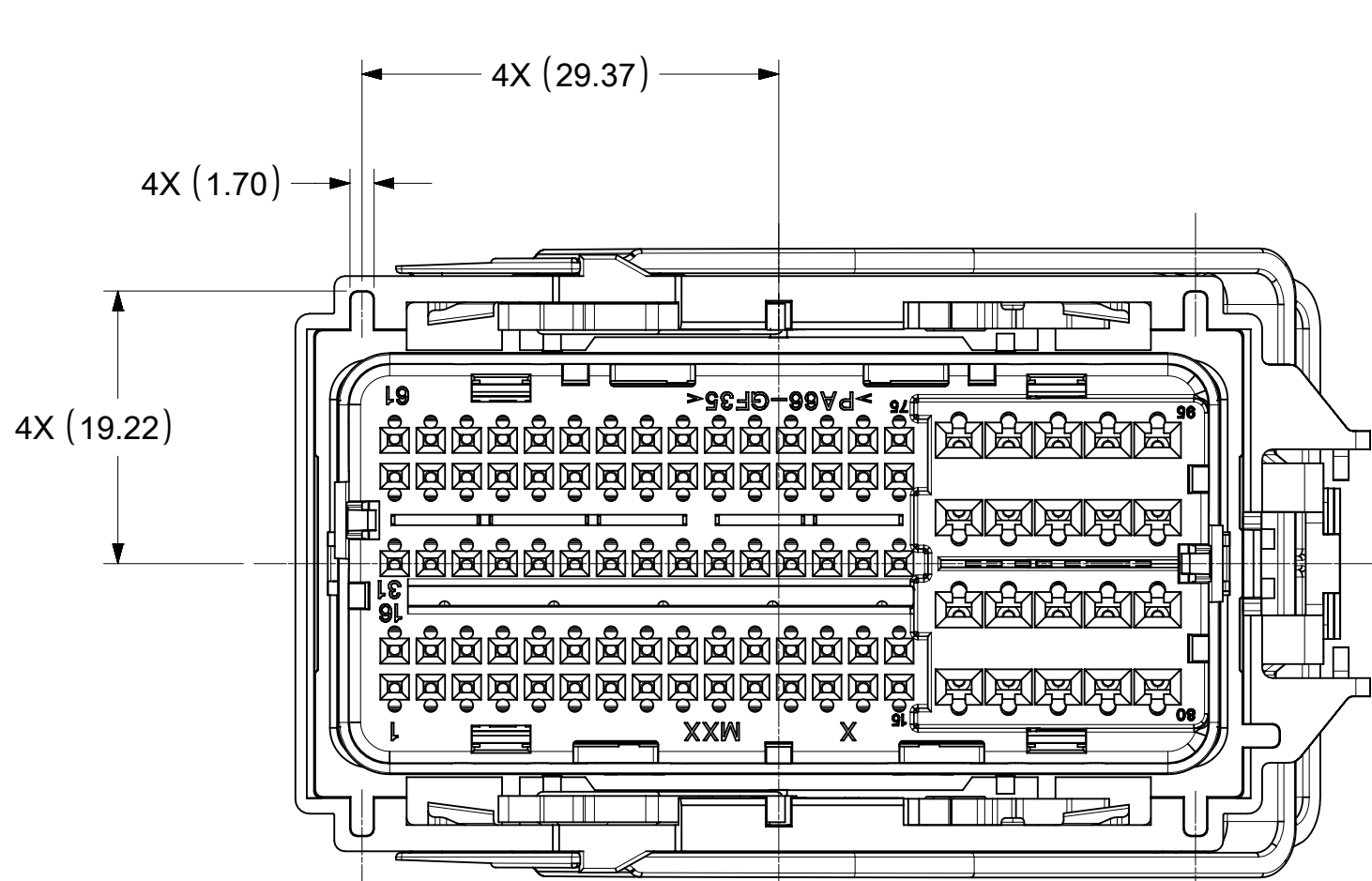


FULL SIZE VIEWS

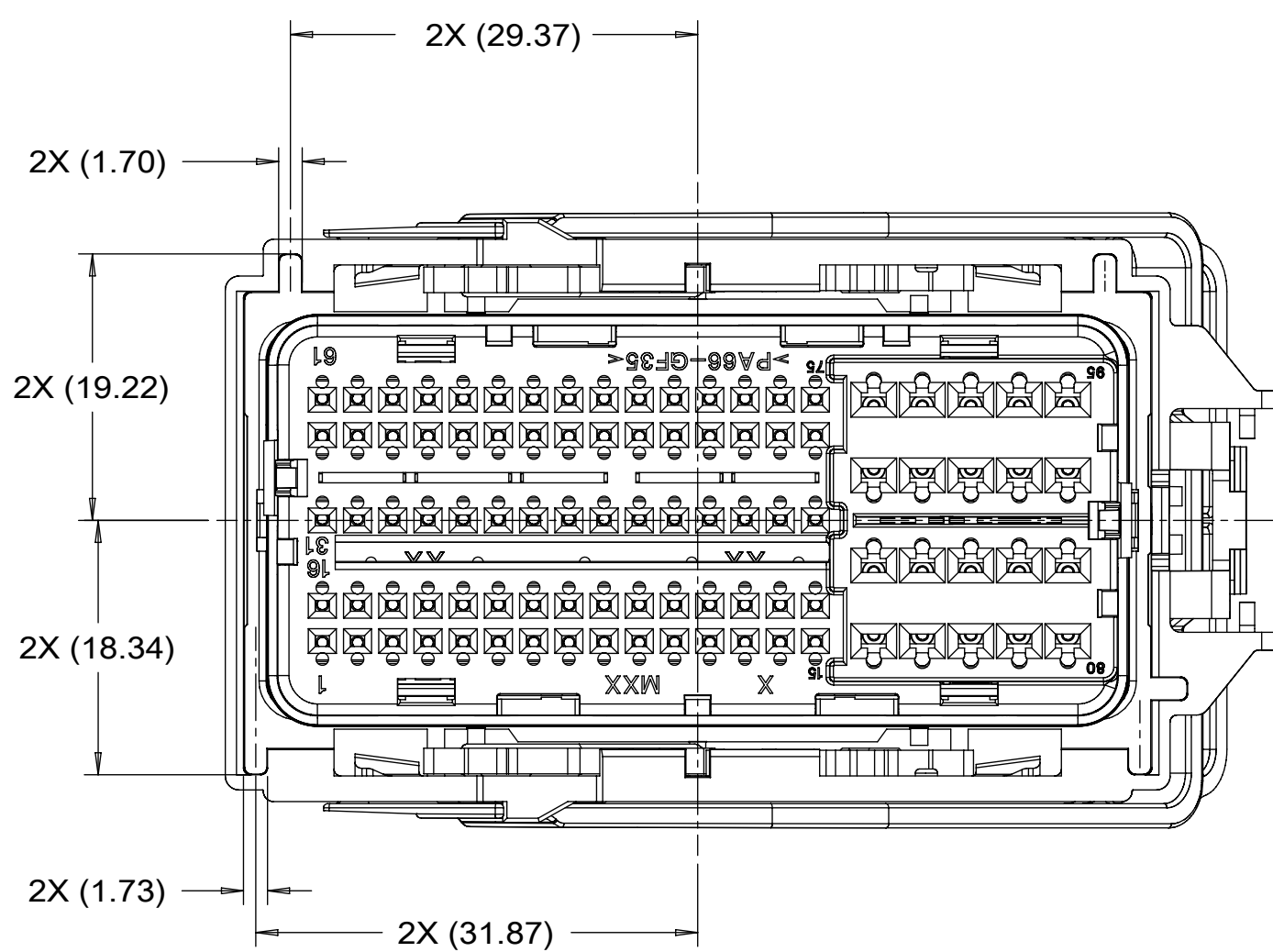


DETAIL M
SCALE 20:1
1.5 TERMINAL LOCATION
VERIFICATION HOLE

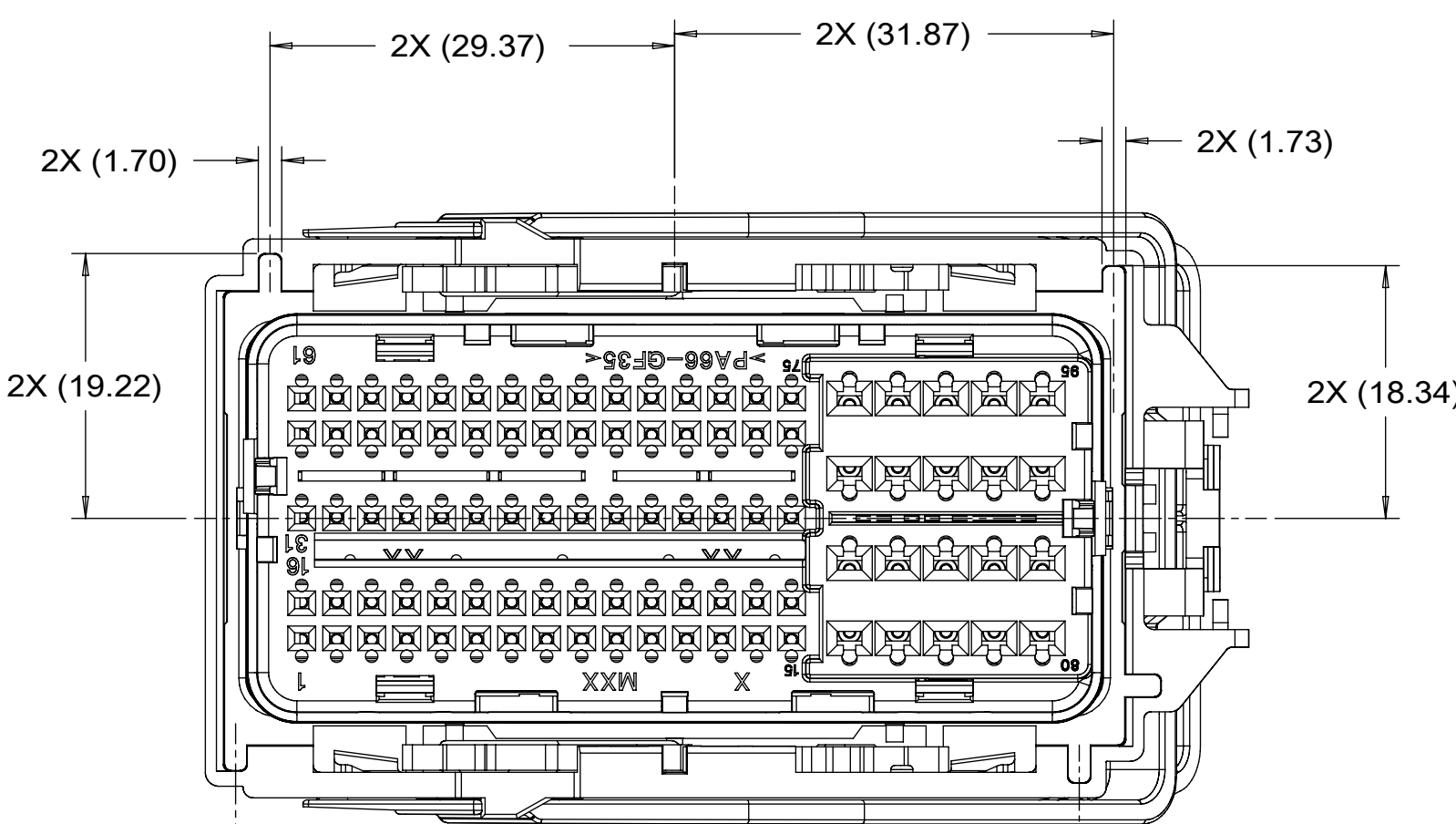
KEYWAY DEFINITION



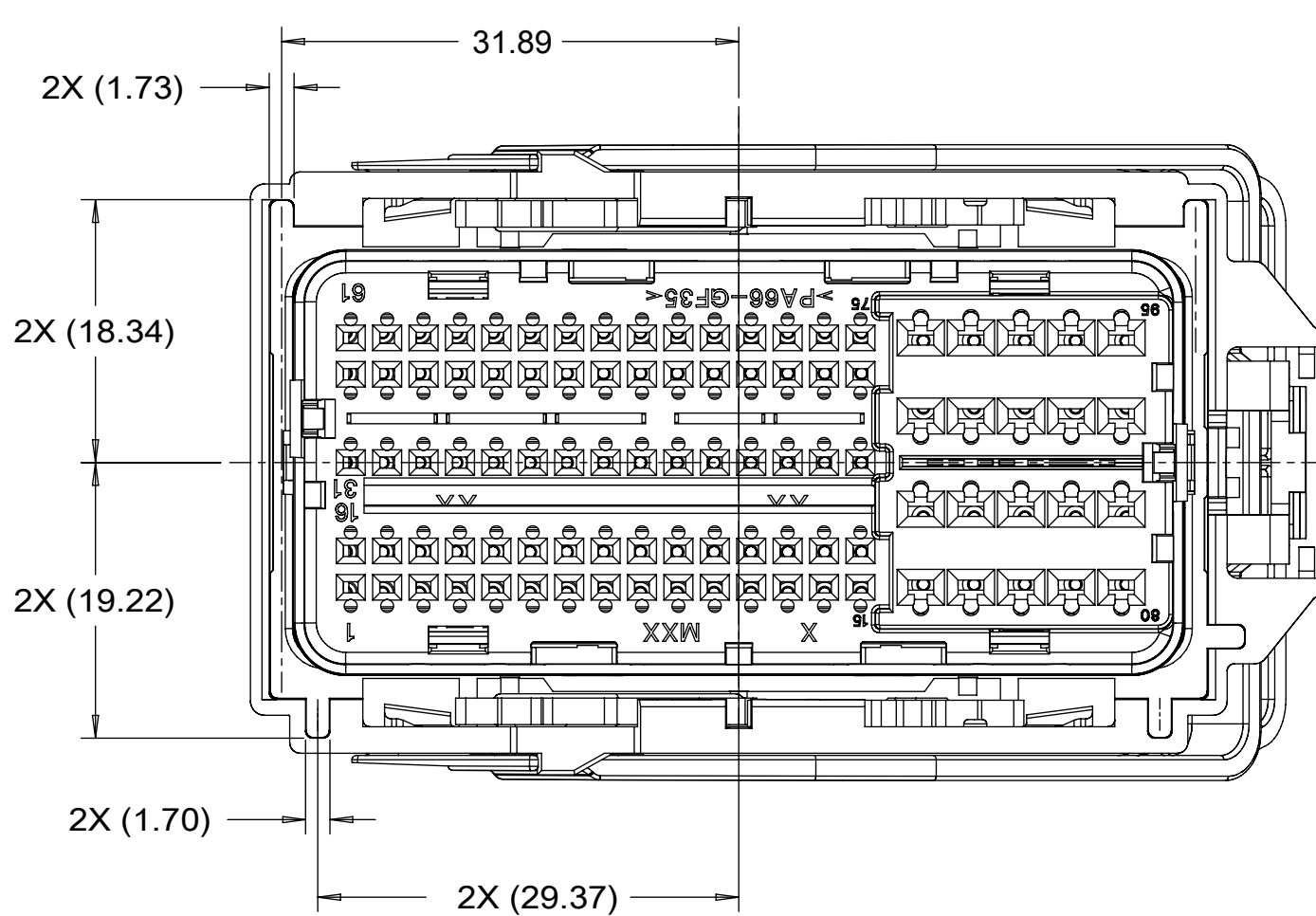
34992-0XXX (END LATCH LEVER)
34992-1XXX (TOP LATCH LEVER)
KEY OPTION 1



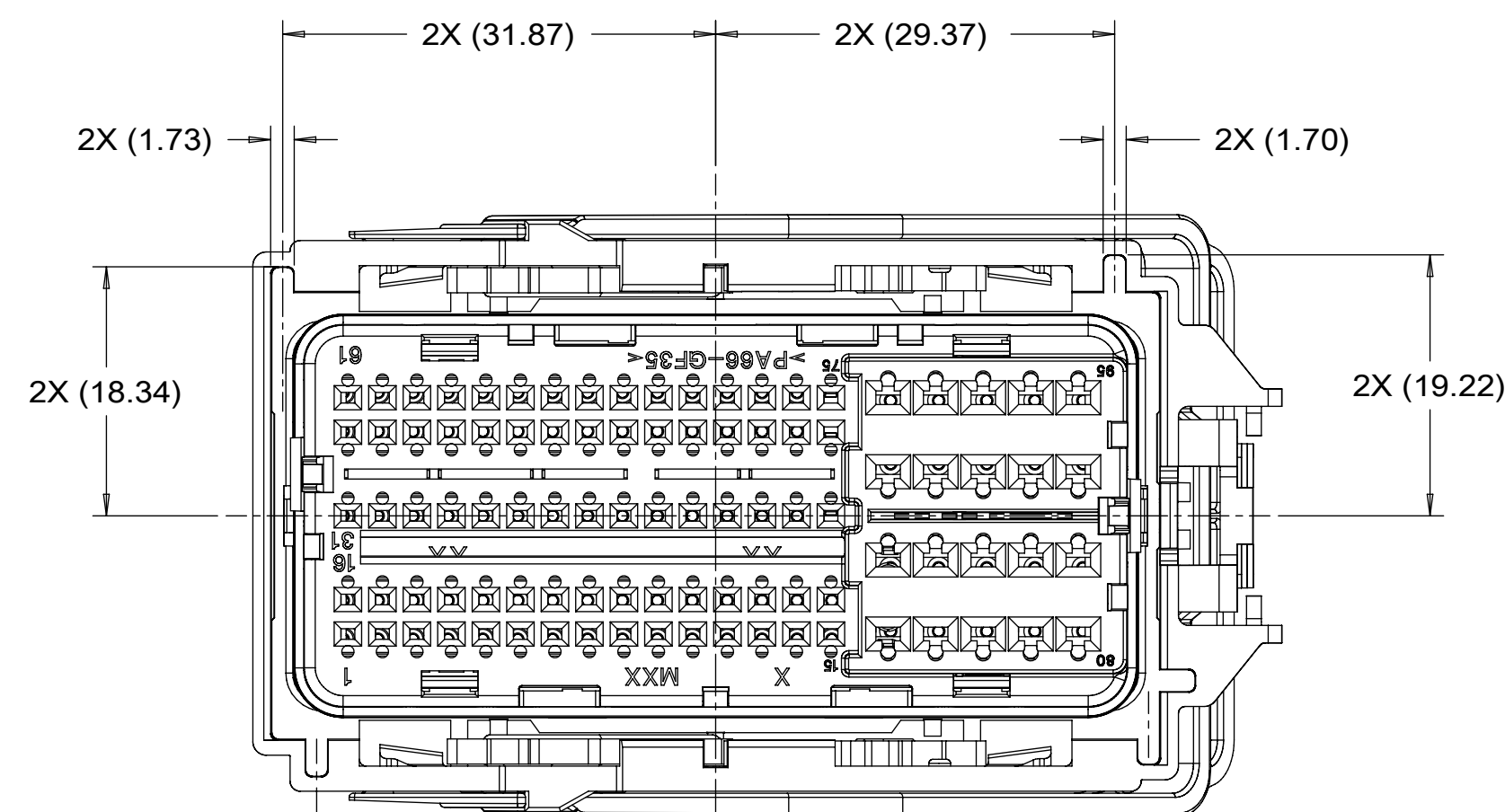
34992-6XXX (END LATCH LEVER)
34992-7XXX (TOP LATCH LEVER)
KEY OPTION 4



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

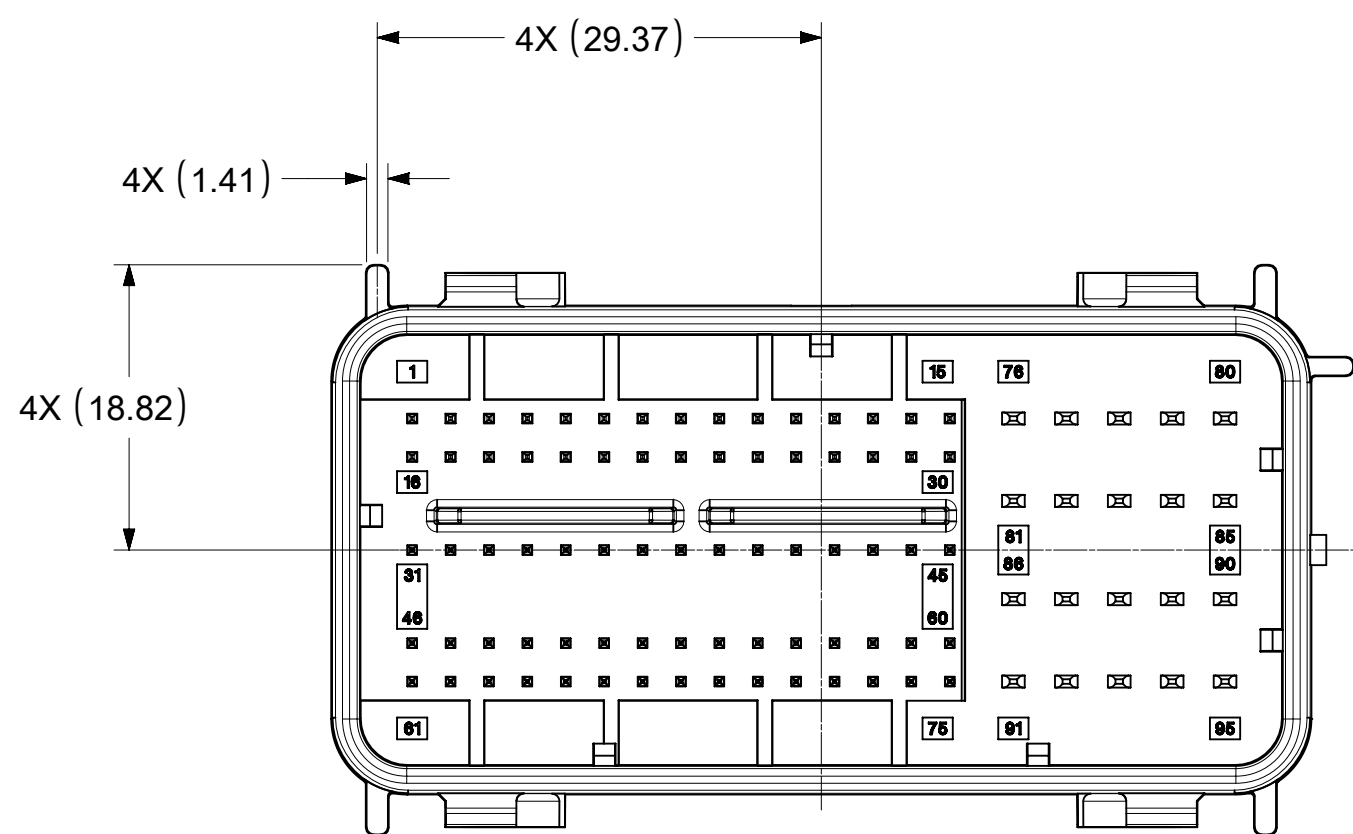


34992-8XXX (END LATCH LEVER)
34992-9XXX (TOP LATCH LEVER)
KEY OPTION 5

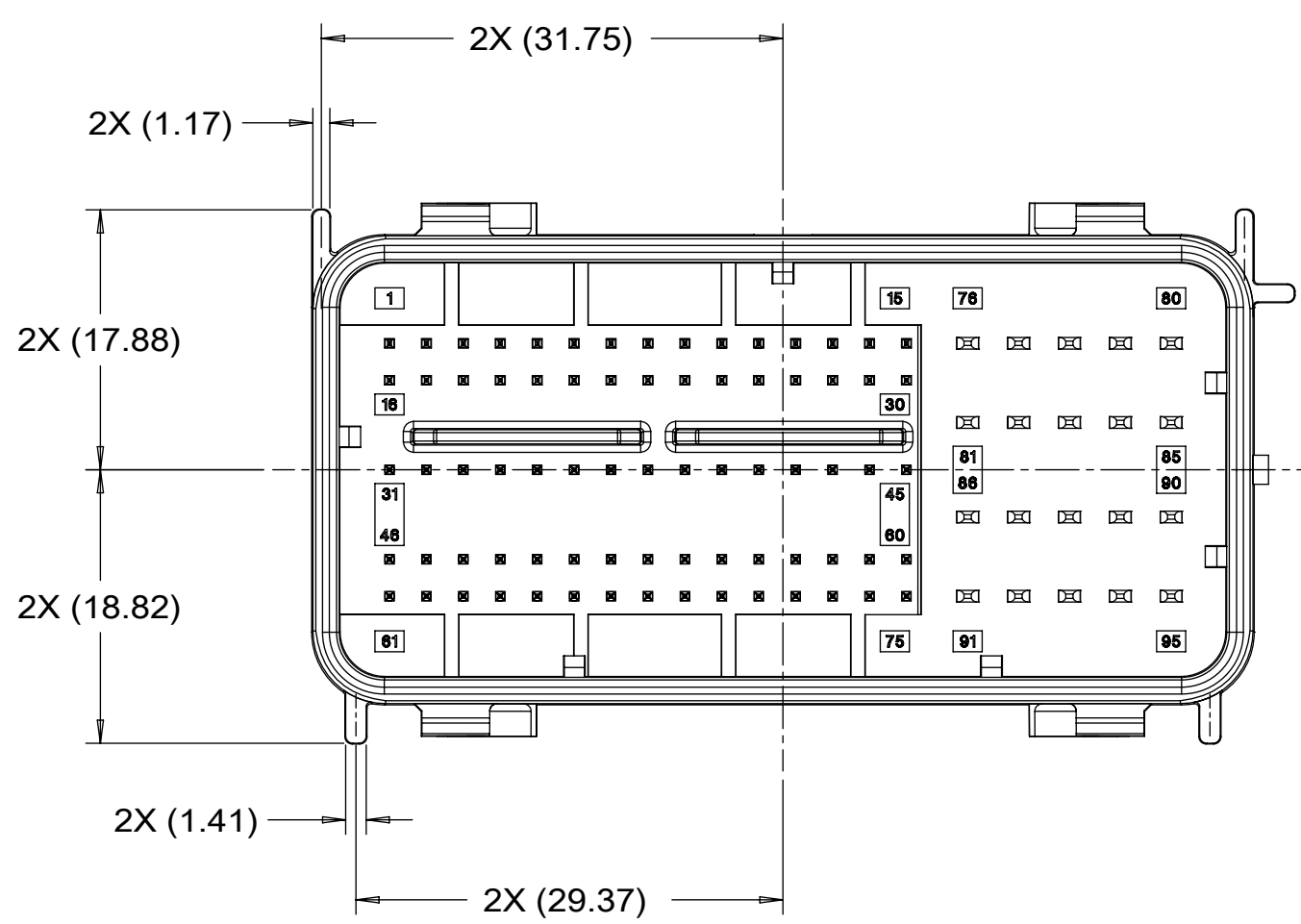


34992-4XXX (END LATCH LEVER)
34992-5XXX (TOP LATCH LEVER)
KEY OPTION 3

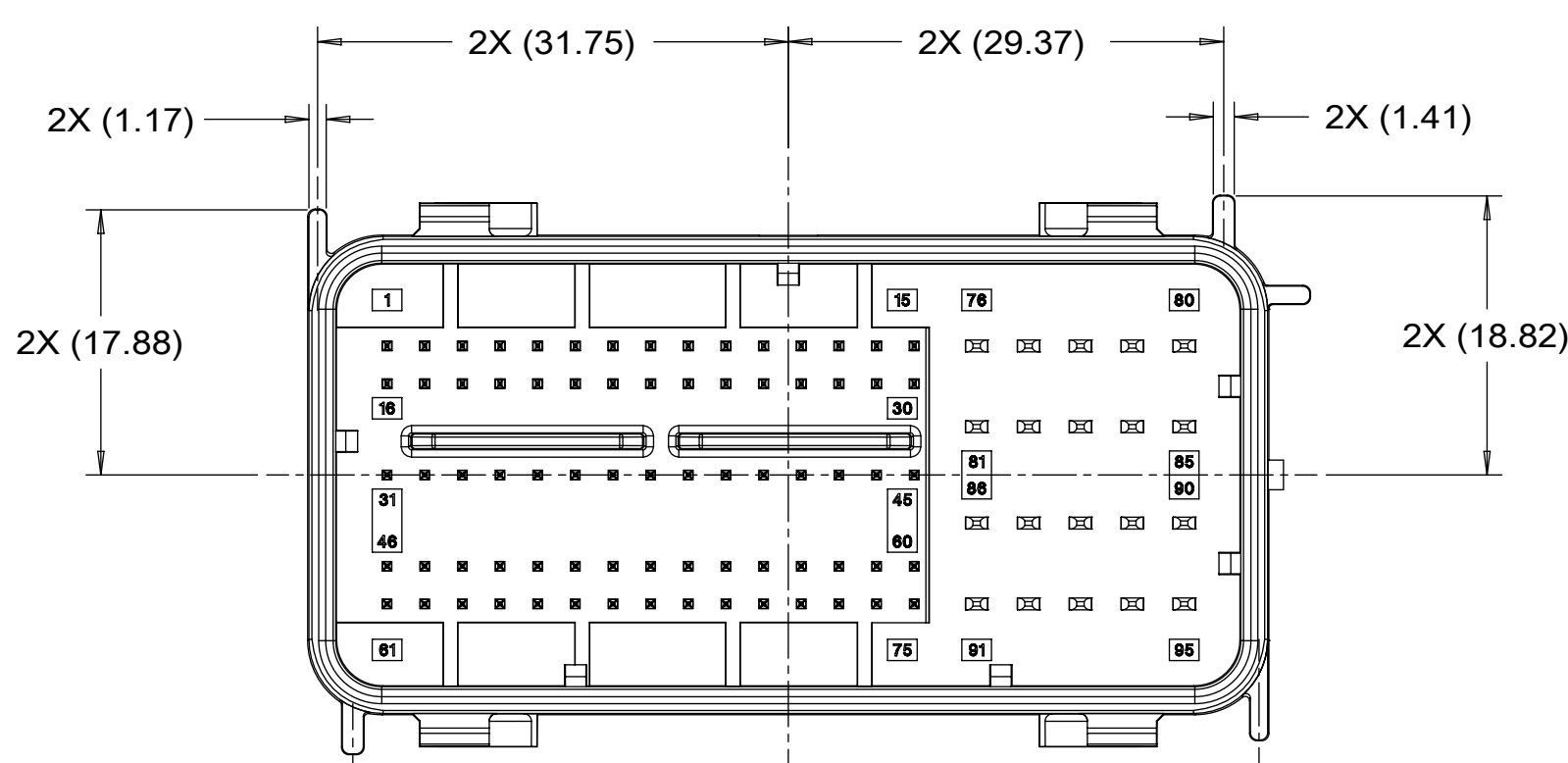
RECOMMENDED MATING INTERFACE



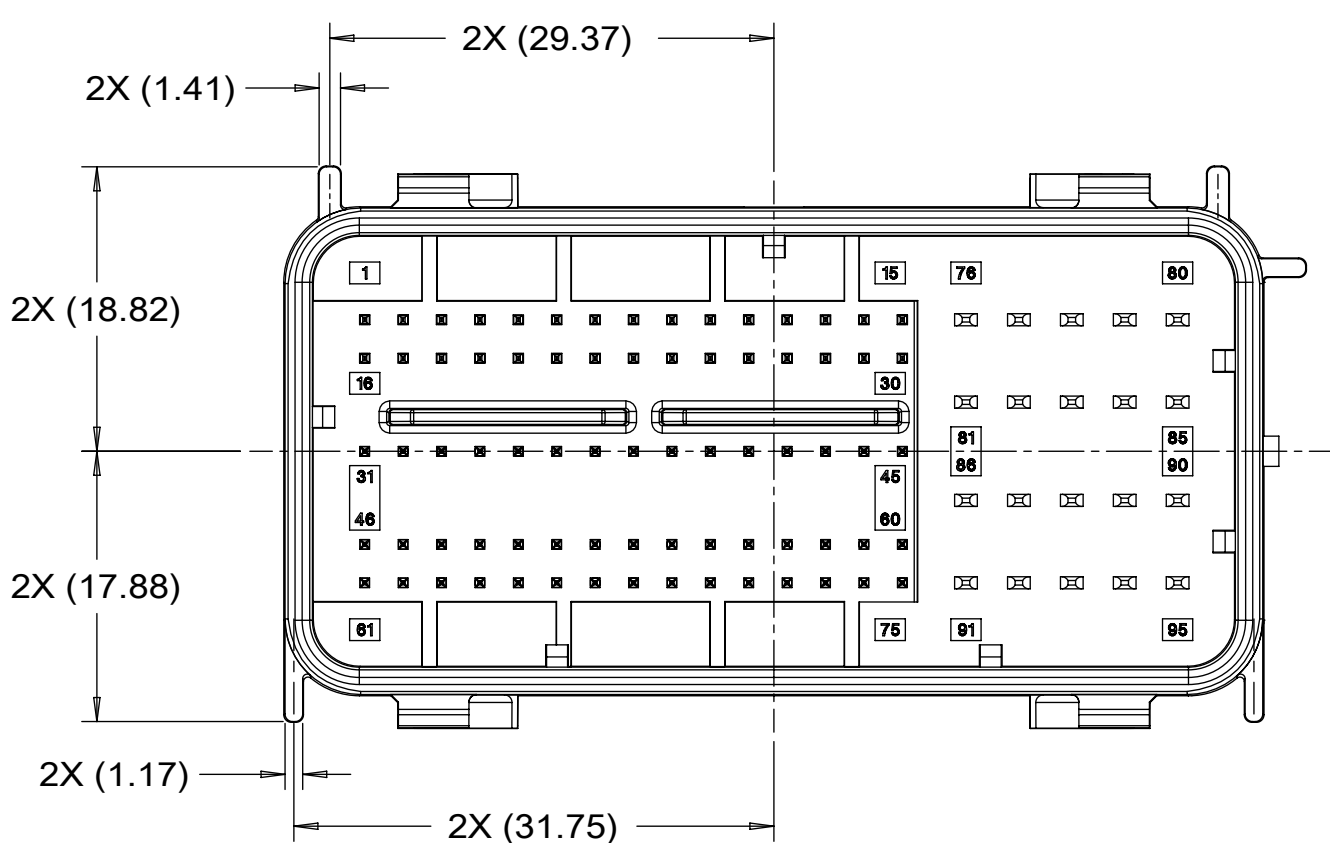
KEY OPTION 1



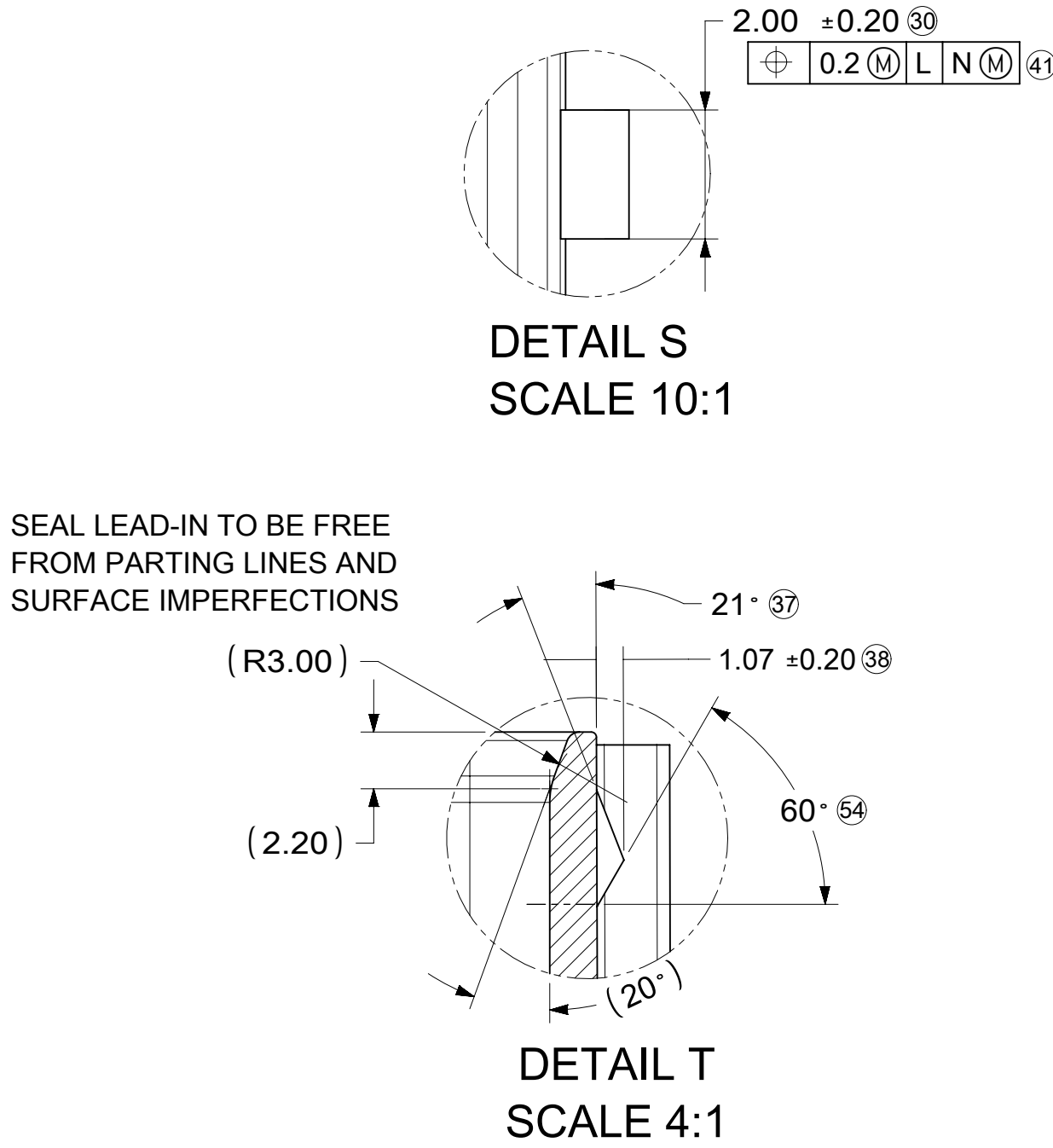
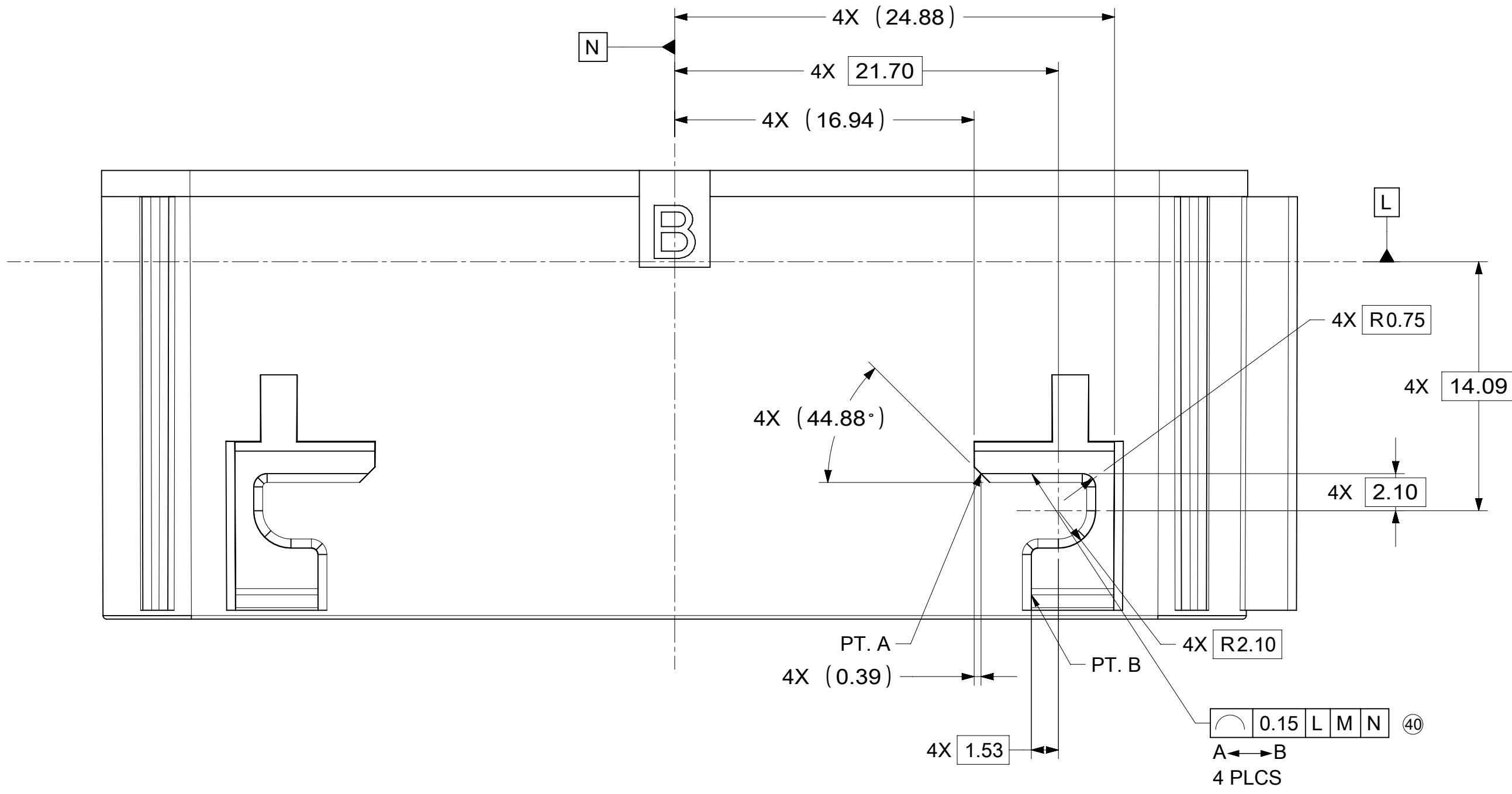
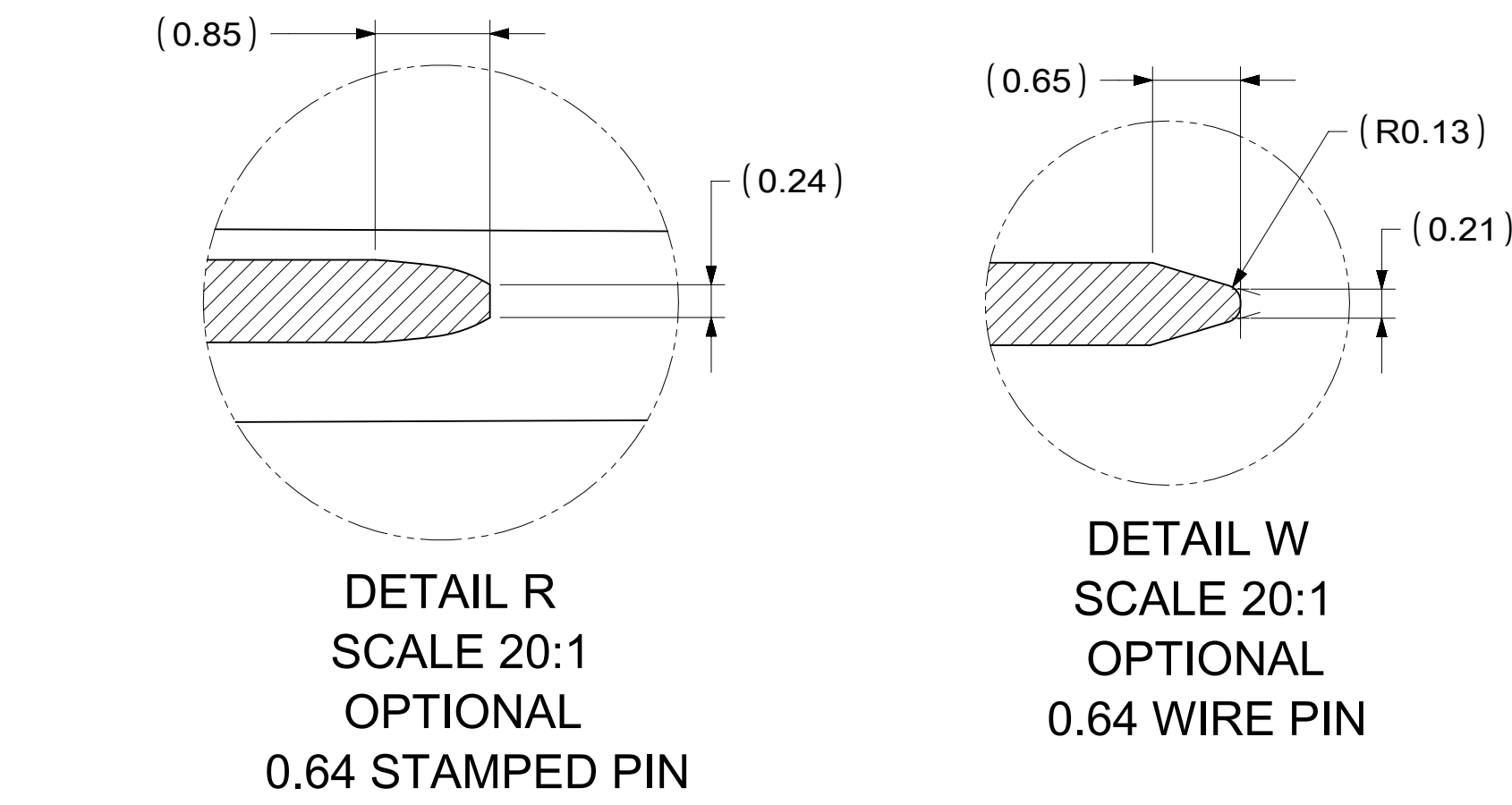
KEY OPTION 4



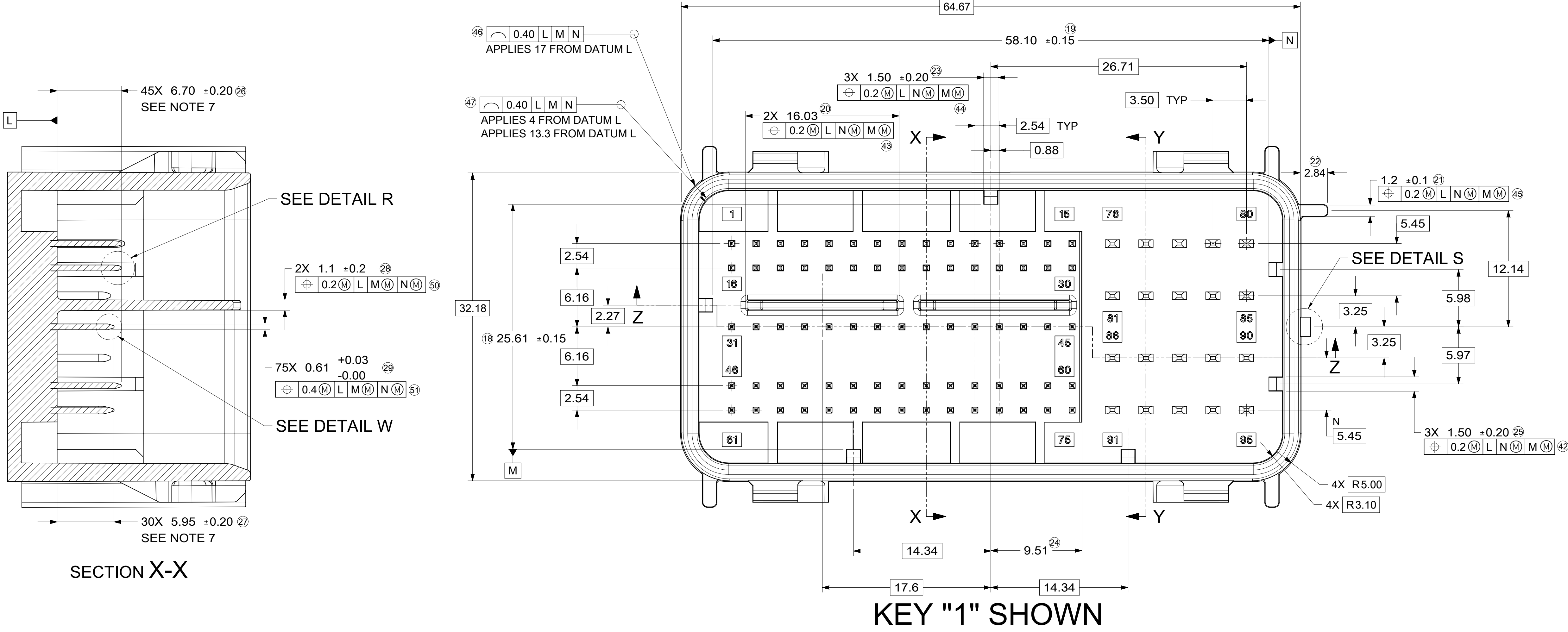
KEY OPTION 2



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.



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			

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)																					

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)																					

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																									

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																	

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																	

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 (																					

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																						

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																		

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	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 HOUS																									

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																		

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	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