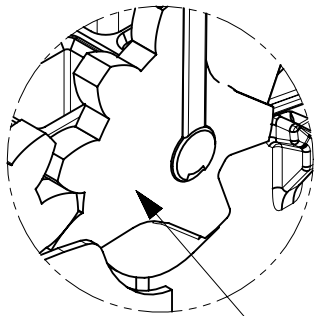
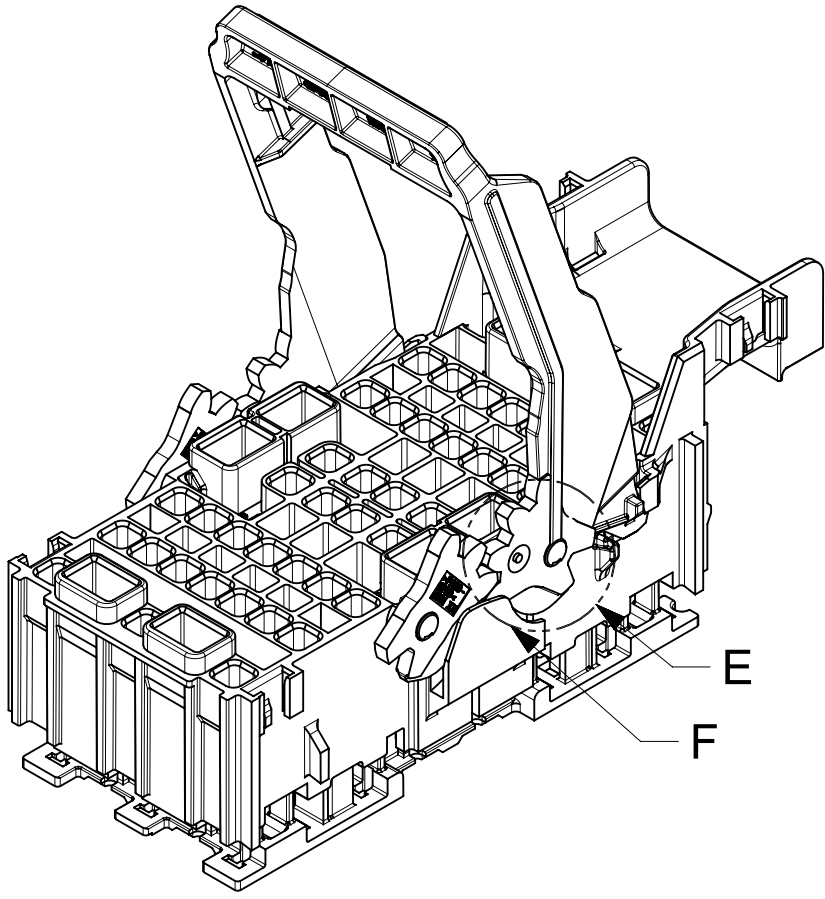


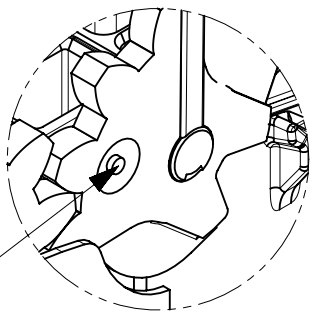
ITEM#	PIA DESCRIPTION:	COLOR:	MOLEX COMPONENT PART NUMBER:	MATERIAL SPEC:	RECYCLING CODE:	WEIGHT (g):	NUMBER OF ITEMS REQUIRED:			
1	RCPT HSG (WATER PROTECTION) POL A	BLACK	160044-0214	GLASS FILLED NYLON	PA66 GF35%	55.83	1			
2	RCPT HSG (WATER PROTECTION) POL B	LT GRAY	160044-0215	GLASS FILLED NYLON	PA66 GF35%	55.83		1		
3	RCPT HSG (WATER PROTECTION) POL C	DK GRAY	160044-0216	GLASS FILLED NYLON	PA66 GF35%	55.98			1	
4	RCPT HSG (WATER PROTECTION) POL D	TBD	160044-0217	GLASS FILLED NYLON	PA66 GF35%	55.98				1
5	TPA	NATURAL	160044-0300	GLASS FILLED SPS/NYLON BLEND	SPS/PA66 GF30%	10.31	1	1	1	1
6	LEVER	GRAY	160044-0401	GLASS FILLED NYLON	PA66 GF50%	9.94	1	1	1	1
7	PINION GEAR	GRAY	160044-0500	GLASS FILLED NYLON	PA66 GF50%	0.70	2	2	2	2

APPLICABLE COMPONENTS:						
ITEM#	DESCRIPTION:	MANDATORY (YES/NO)	TERMINAL CAVITY MIN/MAX OD:	PLATING/MATERIAL:	FORD COMPONENT PART NUMBER:	SUPPLIER COMPONENT PART NUMBER:
1	B828 (1, 3, 5-19, 21-24, 27-30, 32-46, 48, 50) DELPHI APEX TERMINAL/2.8mm (APPLICABLE CAVITIES)	YES	0/4.5mm X 4.7mm	TIN	N/A	N/A
2	B474 (2, 4, 20, 25, 26, 31, 47, 49) DELPHI APEX TERMINAL/6.35mm (APPLICABLE CAVITIES)	YES	0/5.6mm X 8.4mm	TIN	N/A	N/A
3	WIRE DRESS COVER (WATER PROTECTION)	YES	N/A	PA66 GF35%	HU5T-14N003-GD	160044-0606 (MOLEX)

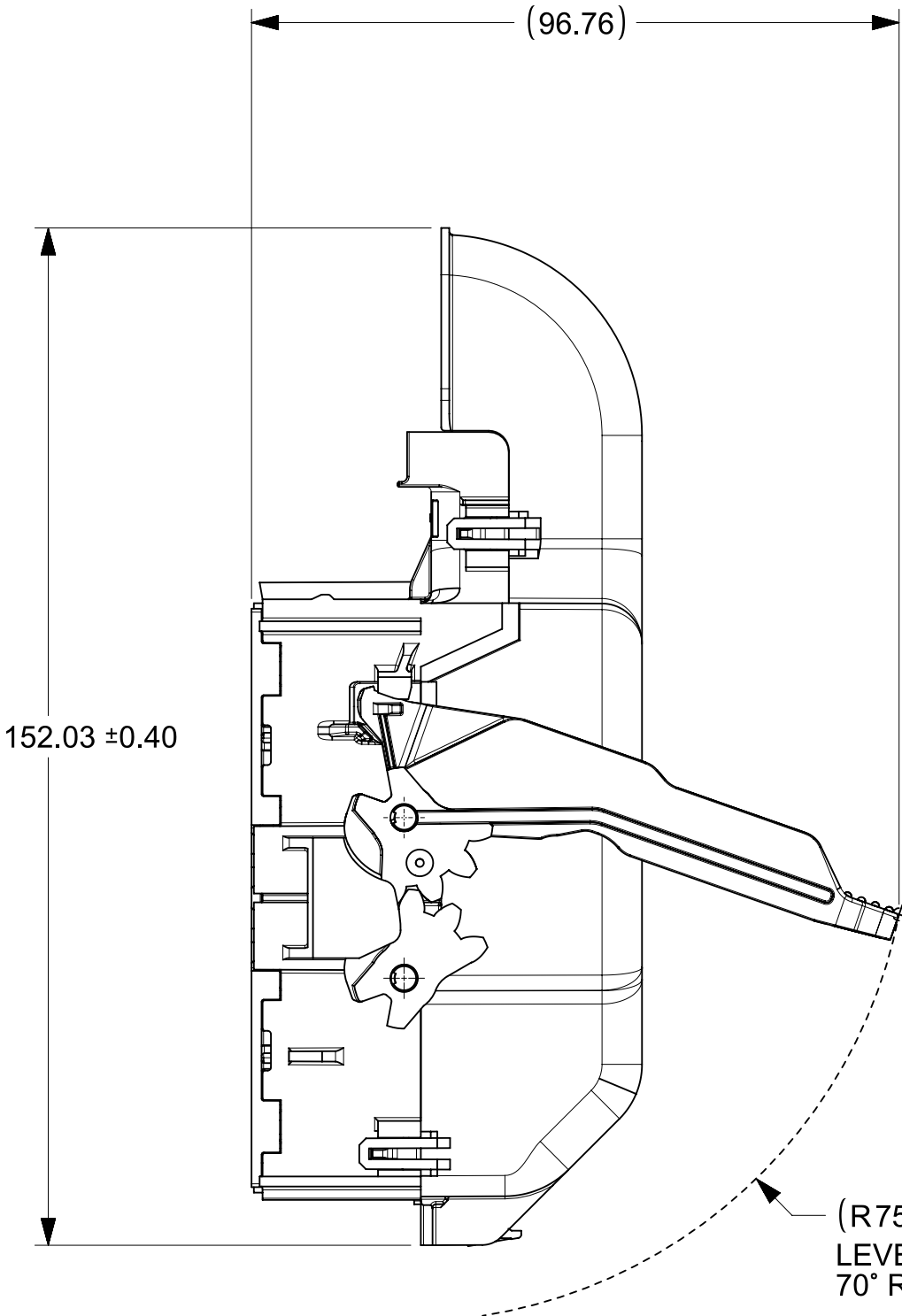
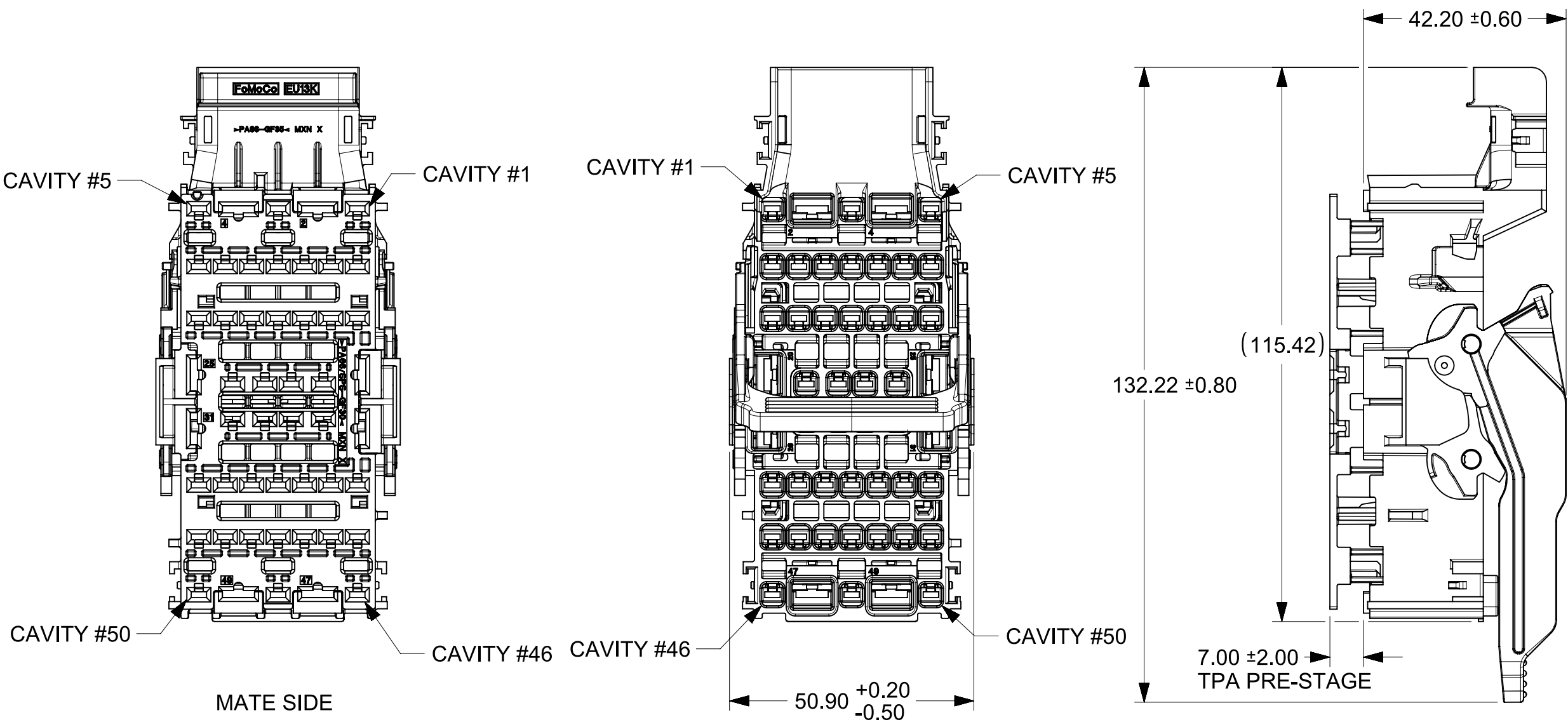
CONNECTOR ASSEMBLY CHART:			
FORD ASSEMBLY PART NUMBER:	MOLEX ASSEMBLY PART NUMBER:	MAX TEMP (°C):	VIBRATION CLASS:
HU5T-14489-DD	160044-0114	105	V1
HU5T-14489-ED	160044-0115		
JU5T-14489-KD	160044-0116		
TBD	160044-0117		



DETAIL F
SCALE 2:1

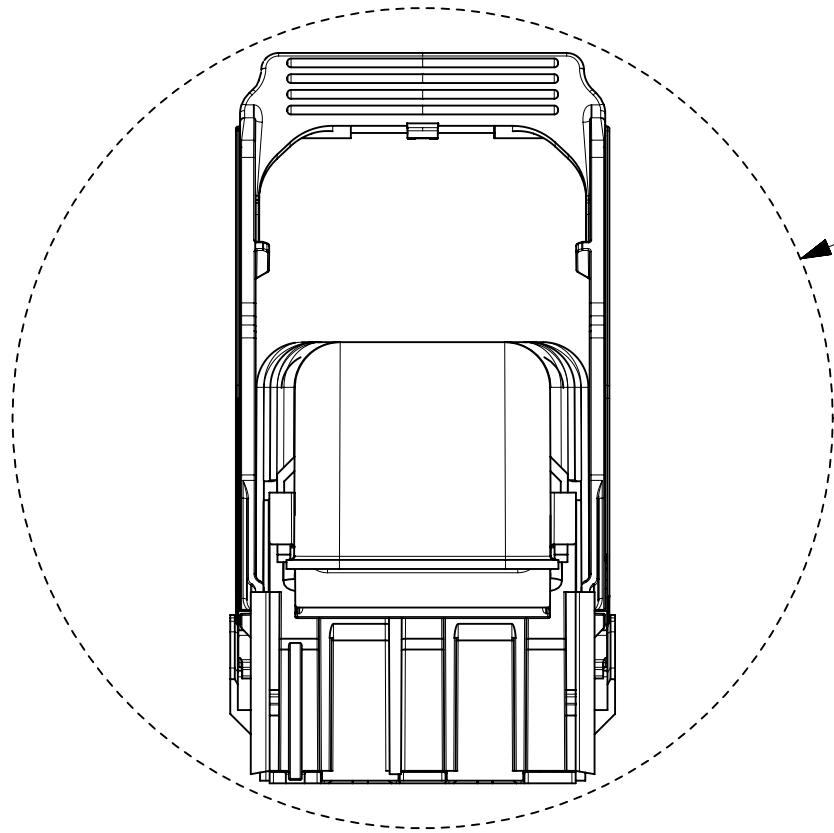


DETAIL E
SCALE 2:1
ALTERNATE
CONSTRUCTION

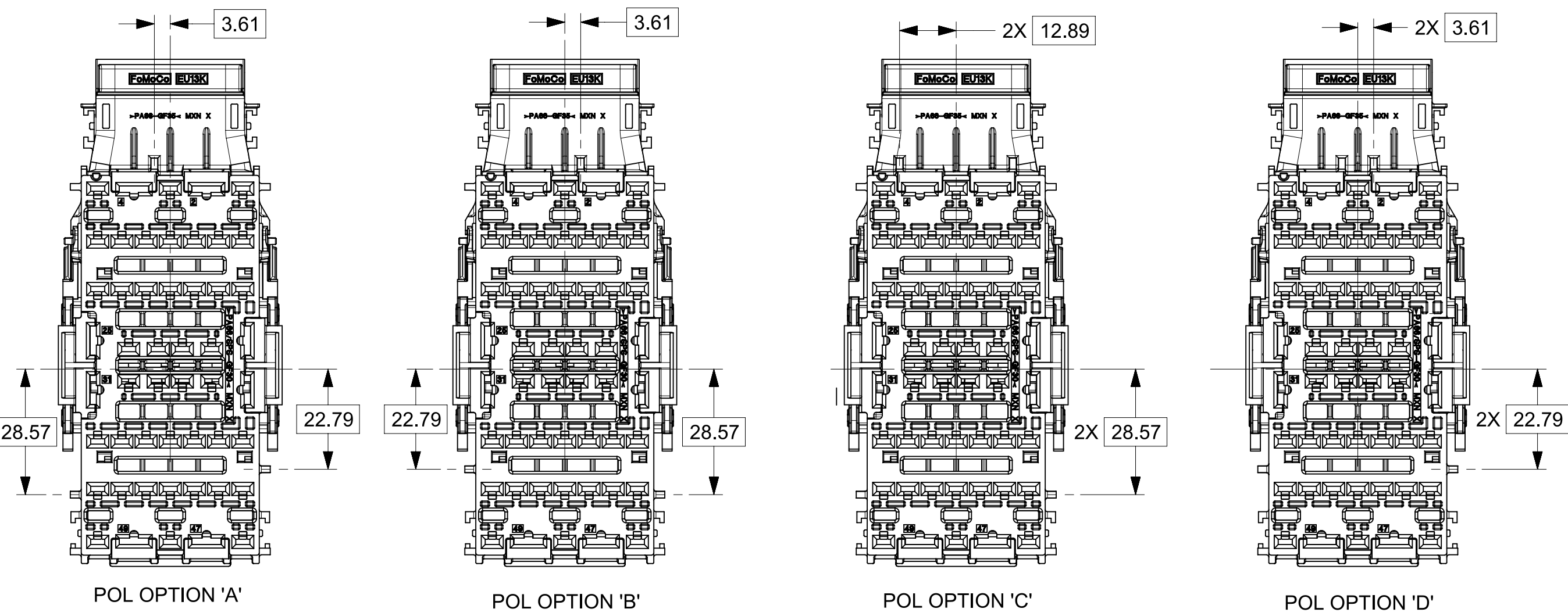


PART SHOWN AS SHIPPED
TO VEHICLE ASSEMBLY PLANT

(Ø74.25)
PASS THRU DIAMETER
WITH 2mm ADDITIONAL
CLEARANCE W/ LEVER
IN FINAL LOCK



(Ø108.50)
PASS THRU DIAMETER
WITH 2mm ADDITIONAL
CLEARANCE W/ LEVER
IN PRE-LOCK



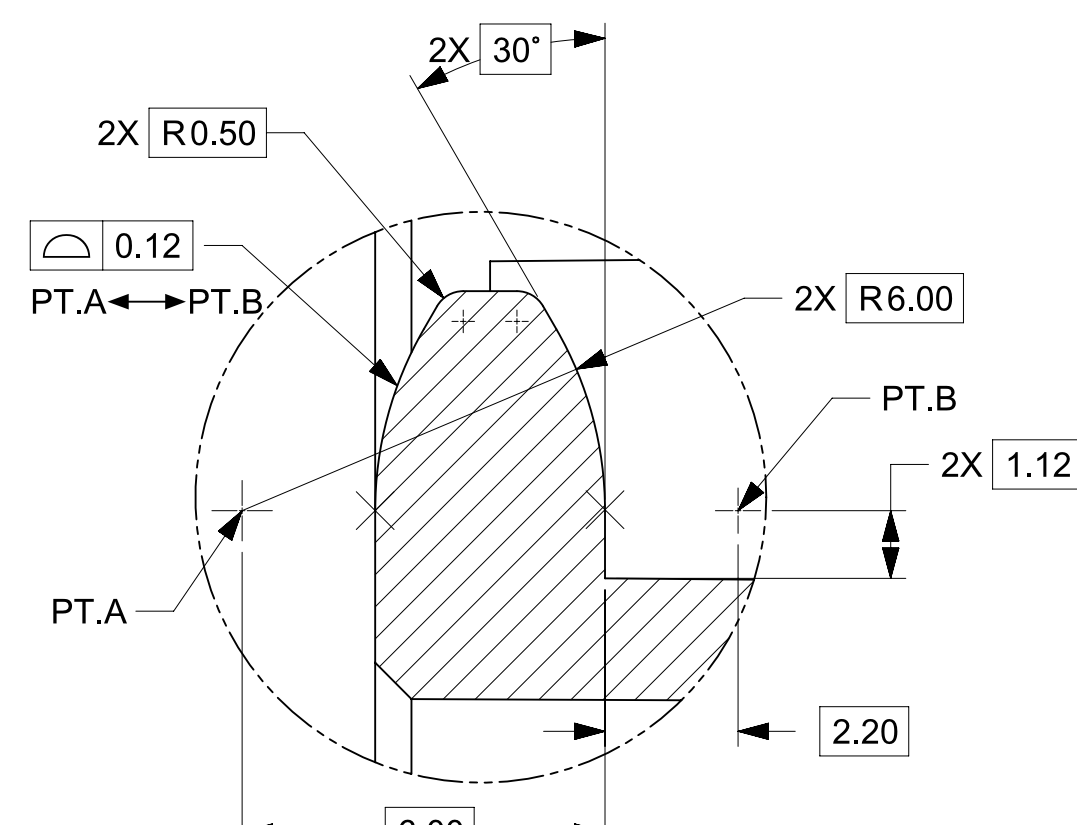
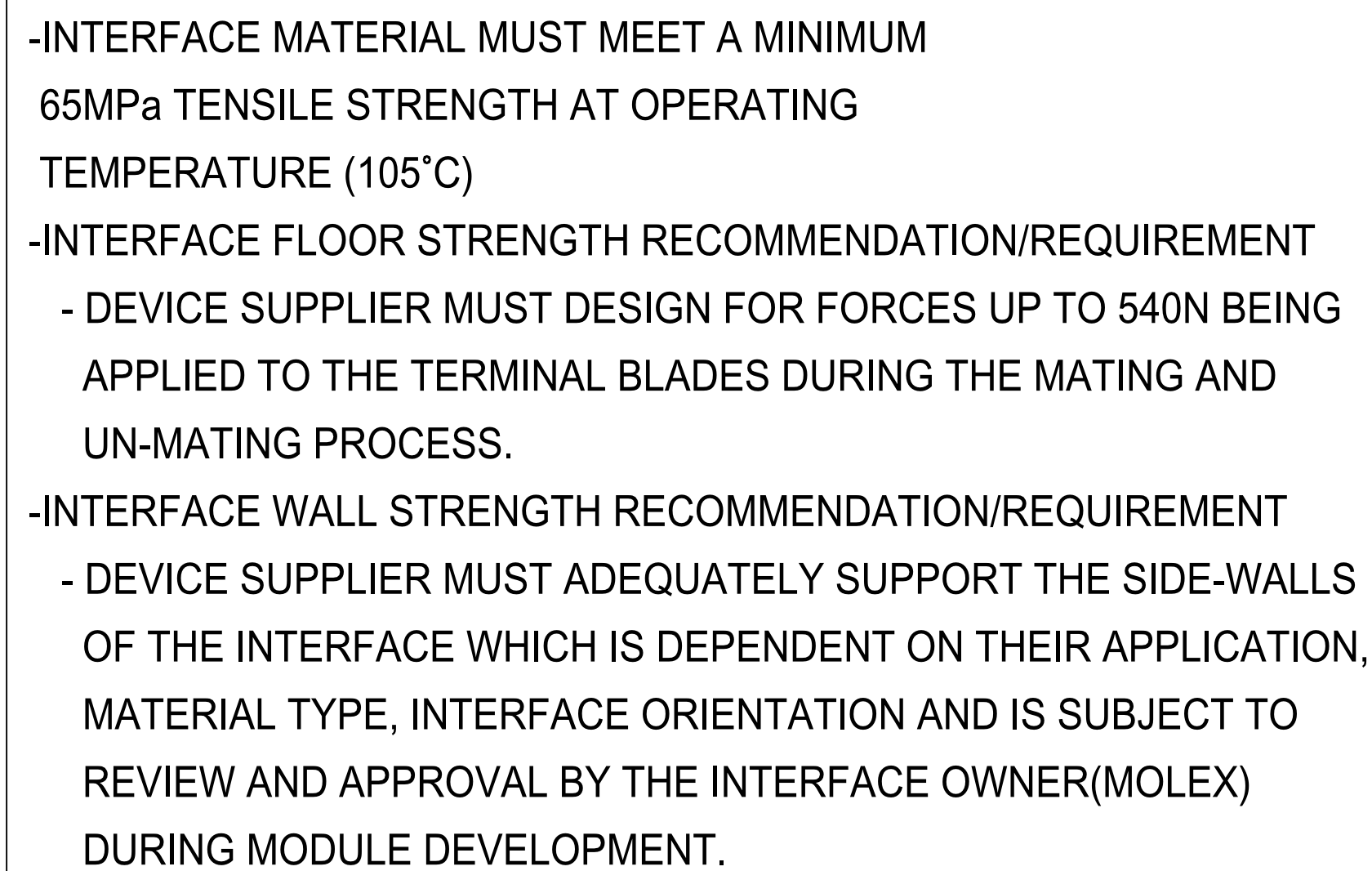
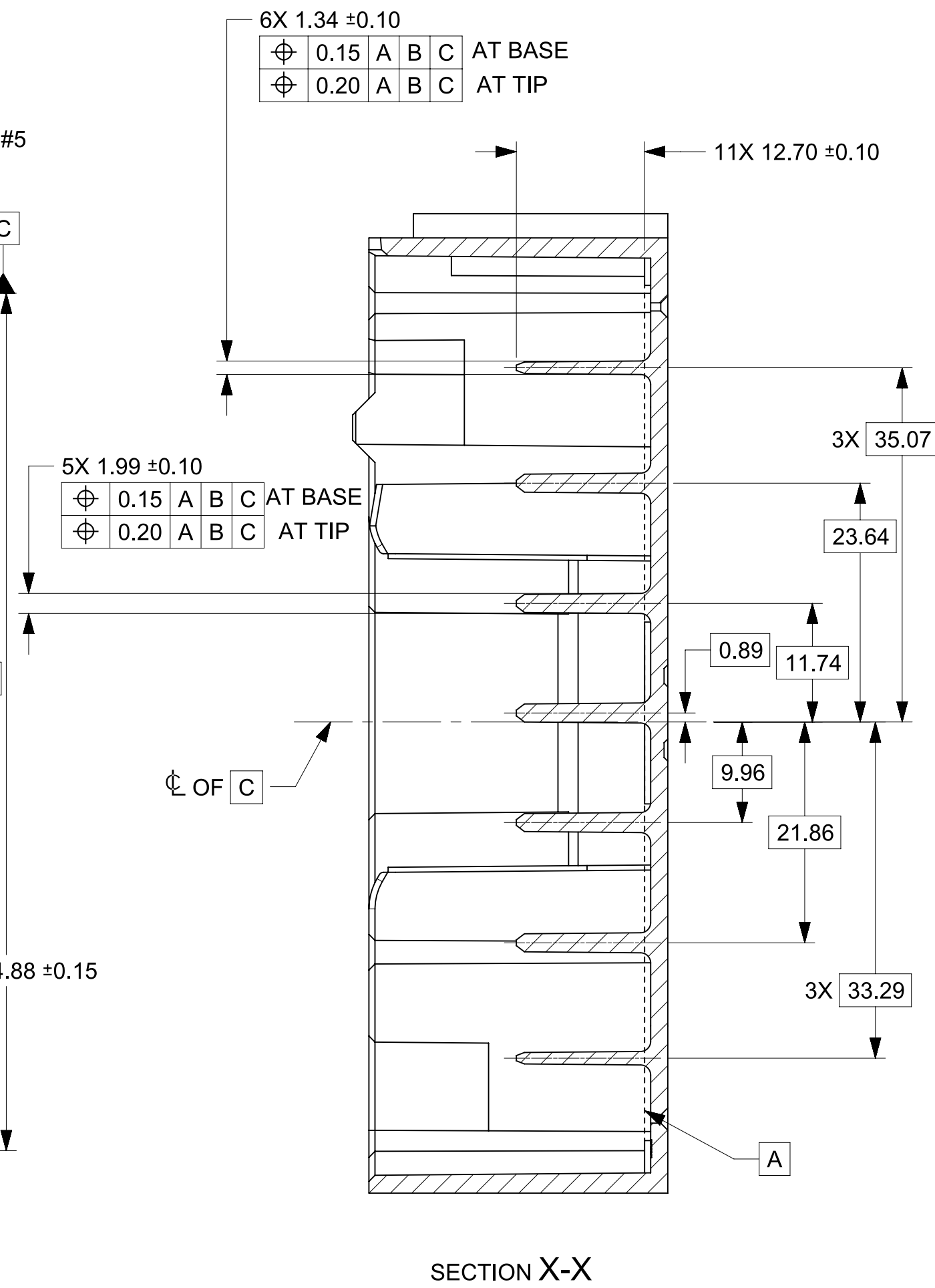
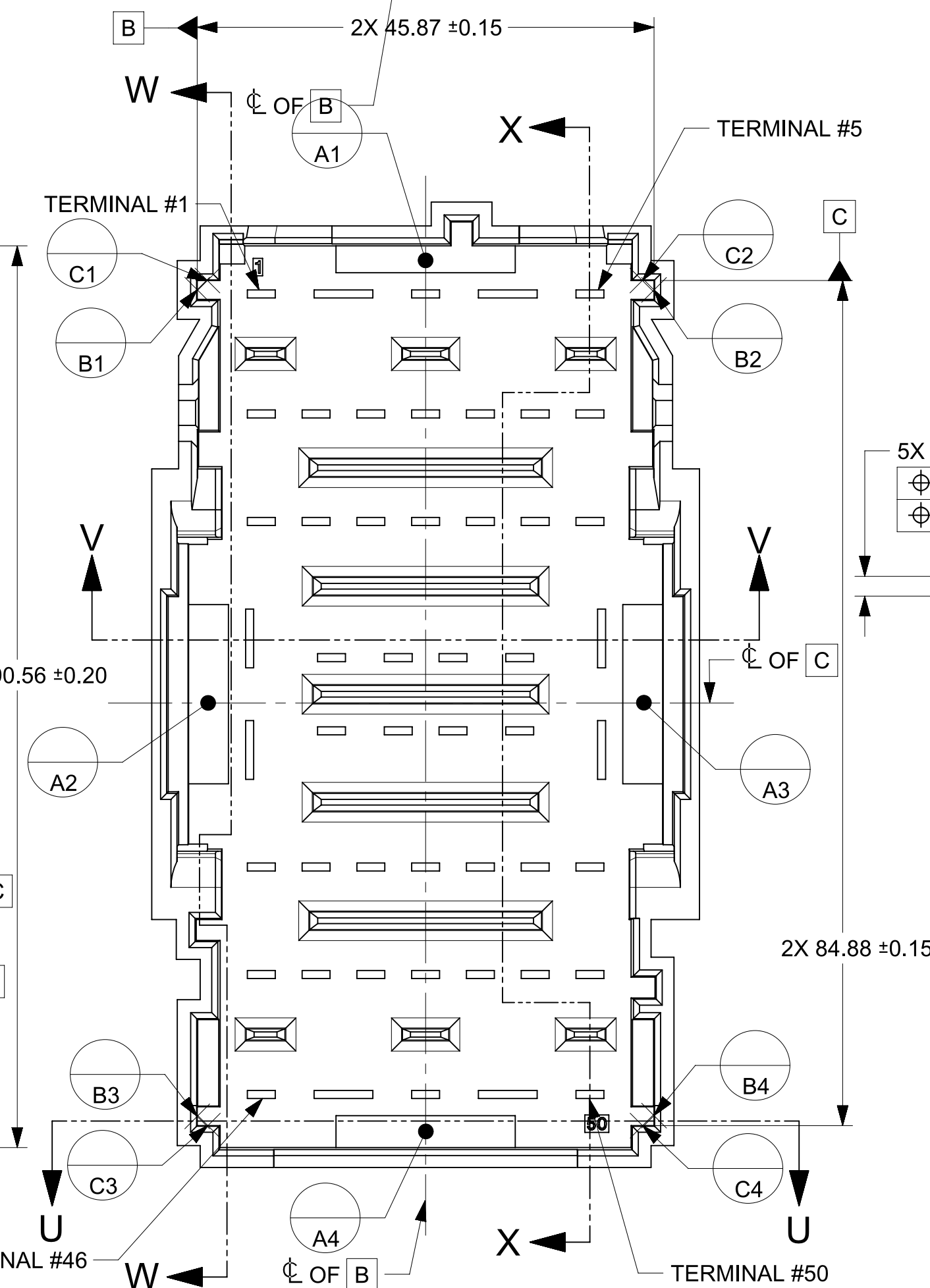
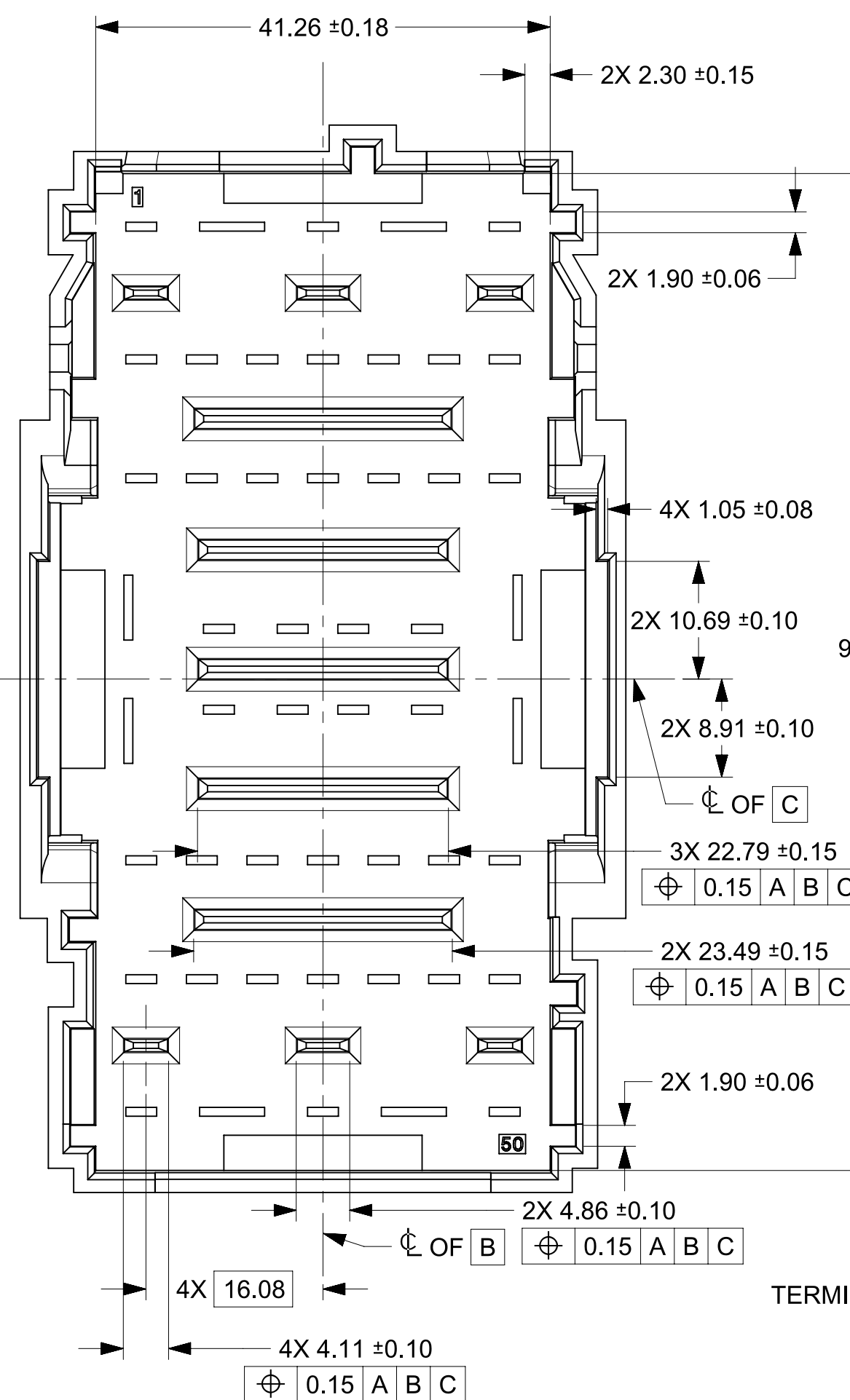
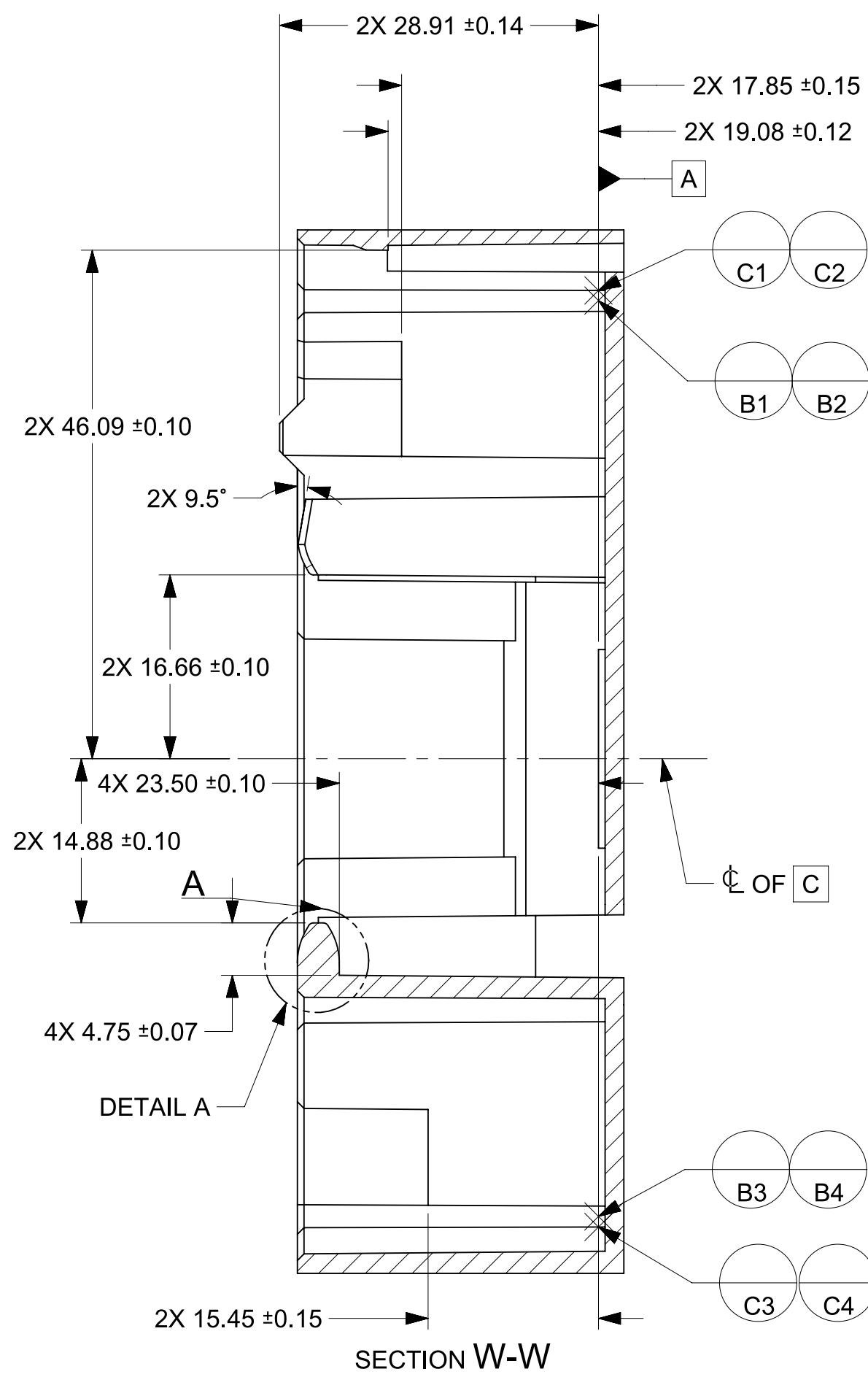
- NOTES: UNLESS OTHERWISE SPECIFIED
- PARTS CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) 4-10-2014
 - PART CONFORMS TO USCAR-2 REV 6
 - WIRE DRESS COVER MAXIMUM ENGAGE FORCE LESS THAN 70N
 - MEAN ASSISTED MATING FORCE FULLY POPULATED WITH TIN TERMINALS = 74.7N
 - NO TERMINAL EXTRACTION TOOL EXISTS FOR THESE CAVITIES. MOLEX RECOMMENDS USING TERMINAL EXTRACTION TOOL P/N 63813-3501 FOR BOTH CAVITIES
 - N/A
 - CONNECTOR IS RATED AS EGONOMIC CLASS 3 BASED ON USCAR-25 REV 1. CONNECTOR PUSH SURFACE AREA IS 439.4mm
 - N/A
 - KEEP OUT AREA FOR HEADER INTERFACE PER USCAR-25 (SEE PAGE 4)

PART NUMBERS
HU5T-14489-ED
JU5T-14489-KD

REFERENCE				
FORD 50 WAY PDB CONNECTOR				
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.				
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE			3RD ANGLE PROJ DIMENSIONS IN MILLIMETERS	
CAD TYPE	CAD LOC.	CAD FILE	DTMC IS MASTER	
TCE	MOLEX	1600440114CM		
OPER. NO.	UNIT	DRAWING		
	EU13K	HU5T-14489-DD		
DESIGN	DETAIL	TITLE	SHT 1 OF 4	
MYOUNG01	N/A	SLV WIR CONN FEM		
CHECKED	SAFETY			
RBAUMAN	N/A			
SCALE	DATE	DIVISION		
1:1	2018/02/07	PLANT		

REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MAT L APP
RELEASED FOLLOWING PART NUMBERS HU5T-14489-DA HU5T-14489-EA			
AELE-E-119890-823 2014/06/25			
MYOUNG	RBAUMAN	MSALANTA	
F1 WAS B846 F2 WAS B474			
AELE-E-13113841-132 2017/05/17			
MYOUNG	RBAUMAN	MSALANTA	
G1 WAS "B829" G2 WAS "MAXIMUM ASSISTED MATING FORCE FULLY POPULATED WITH TIN TERMINALS = 71N" G3 REMOVED FORD COMPONENT AND SUPPLIER COMPONENT PART NUMBERS G4 ADDED CAVITY NUMBERS TO TRCs			
AELE-E-13113841-180 2017/10/31			
MYOUNG	RBAUMAN	MSALANTA	
REMOVED HU5T-14489-DC, HU5T-14489-EC AND JU5T-14489-KC			
H1 WAS "160044-0110", modified housing geometry H2 WAS "160044-0111", modified housing geometry H3 WAS "160044-0112", modified housing geometry H4 WAS "160044-0113", modified housing geometry H5 WAS "160044-0210", modified housing geometry H6 WAS "160044-0211", modified housing geometry H7 WAS "160044-0212", modified housing geometry H8 WAS "160044-0213", modified housing geometry H9 WAS "160044-0400", modified lever geometry H10 WAS "55.841" H11 WAS "55.839" H12 WAS "55.989" H13 WAS "55.990" H14 WAS "9.922" H15 WAS "HU5T-14N003-GC" H16 WAS "160044-0603" H17 WAS "(Ø75.40)" H18 REMOVED "(62.05)"			
RELEASED HU5T-14489-DD, HU5T-14489-ED AND JU5T-14489-KD			
AELE-E-13113841-206 2018/02/07			
MYOUNG	RBAUMAN	MSALANTA	
I1 Alternate construction for lever face			
AELE-E-13113841-224 2018/06/26			
MYOUNG	RBAUMAN	MSALANTA	

DRW SIZE A1/D

[illegible]

DRW	SIZE	AI/D
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