

A

B

C

D

E

A

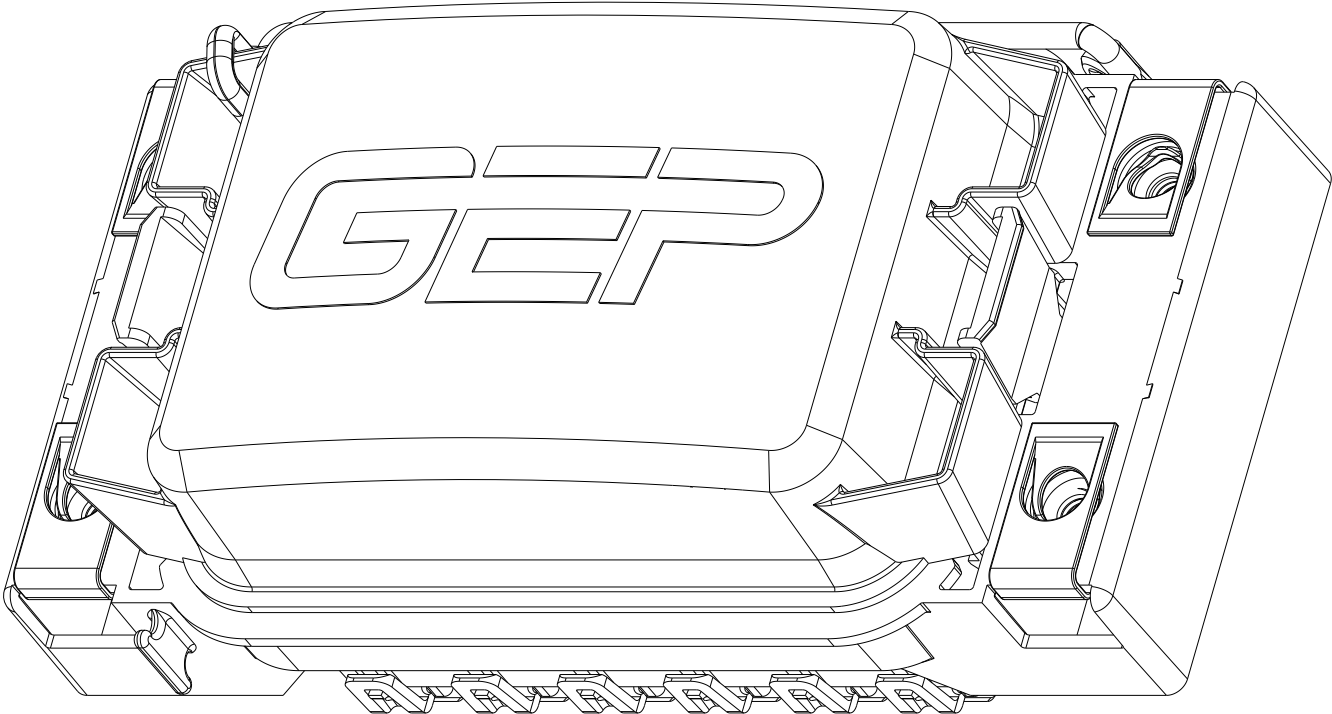
B

C

D

E

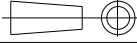
REV	REVISION DETAILS	ECO	DATE	BY	ABY
0	RELEASE FOR PRODUCTION	N/A	08-09-2017	RRR	JML
1	UPDATE DIMENSION TO REF. AND CORRECT	NP-2286	01-23-2020	JJW	JML
2	UPDATE FORMAT, ADDITION OF -2 SEAL SC14-2008A-B015, CORRECT REF TABLE A 12077413 TO 3mm2, ADD COLOR TO SEAL DESCRIPTION SHEET 3, COVERS WITH TETHERS TO OBSOLETE, TOP MOUNT 6mm TO OBSOLETE, CLARIFIED TERMINALS NOTES 3, 4, TABLE A AND TABLE B, ADDED M6 TO PDM-TMC, ADDED PDM-UXFXXX TERMINAL NUMBER VIEW AND CLARIFIED QTY IN PDM-UTI AND PDM-UT5 NOTES	NP-003712	05-27-2021	JJW	JML
3	PART NUMBER WAS PDM-UXXXX. UPDATED DESCRIPTION. UPDATED TO CURRENT DRAWING STANDARDS.	NP-003761	01-15-2024	JWK	JML
4	UPDATED TO LATEST DRAWING STANDARDS. UPDATED NOTES. ADDED SHEET FOR NEW HOUSING/SEAL/CLIP ASSEMBLIES.	NP-006712	04-15-2025	JWK	JML
5	CORRECTED PART NUMBERS - SC42-2008A-A001 WAS SC42-2008A-B001, SC42-2008B-A001 WAS SC42-2008B-B001.	NP-006900	06-12-2025	JWK	JTW
6	CORRECTED PART NUMBERS - SC42-2008A-B001 WAS SC42-2008A-A001, SC42-2008B-B001 WAS SC42-2008B-A001.	NP-006957	07-17-2025	JWK	JML



ISO VIEW
FOR REF ONLY

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 CRITICAL DIMENSIONS ON FEATURES TO BE CHECKED DURING ANY SET-UP ADJUSTMENTS, TOOL CHANGES, OR ANNUAL MAINTENANCE ON TOOLING.	 DIMENSIONS OR FEATURES TO BE CHECKED FROM RUN-TO-RUN	
TOLERANCES UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION 
METRIC TOL	ENGLISH TOL	ANGULAR TOL= $\pm 2^{\circ}$ FRACTION TOL= $\pm 1/64$ IN
1 PL DEC. = $\pm .25$ 2 PL DEC. = $\pm .13$	2 PL DEC. = $\pm .01$ 3 PL DEC. = $\pm .005$	DIMENSIONS INSIDE PARENTHESES OR CONTAINING "REF" ARE FOR REFERENCE ONLY.
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16830 Pheasant Drive
Brookfield, WI 53005

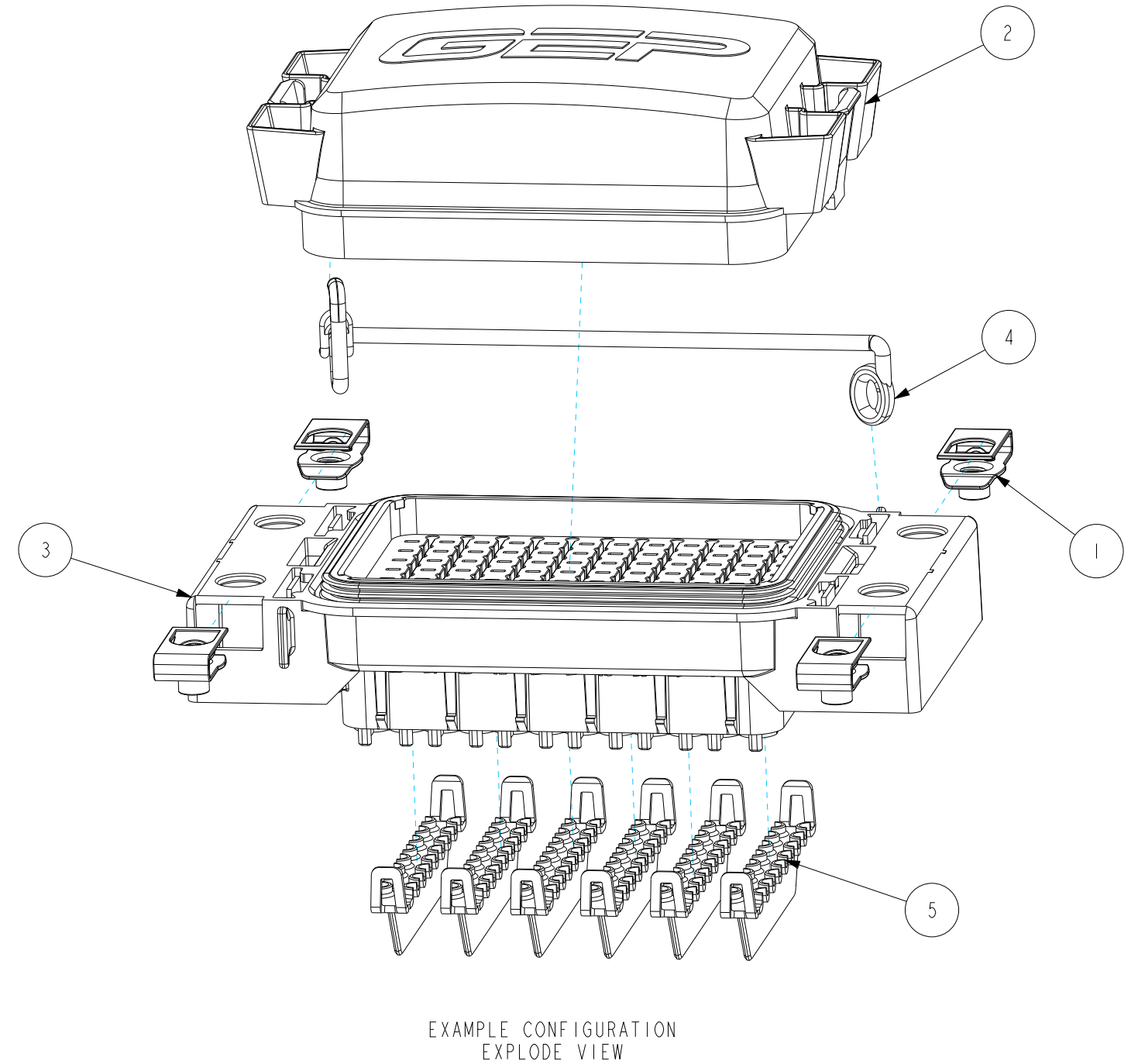
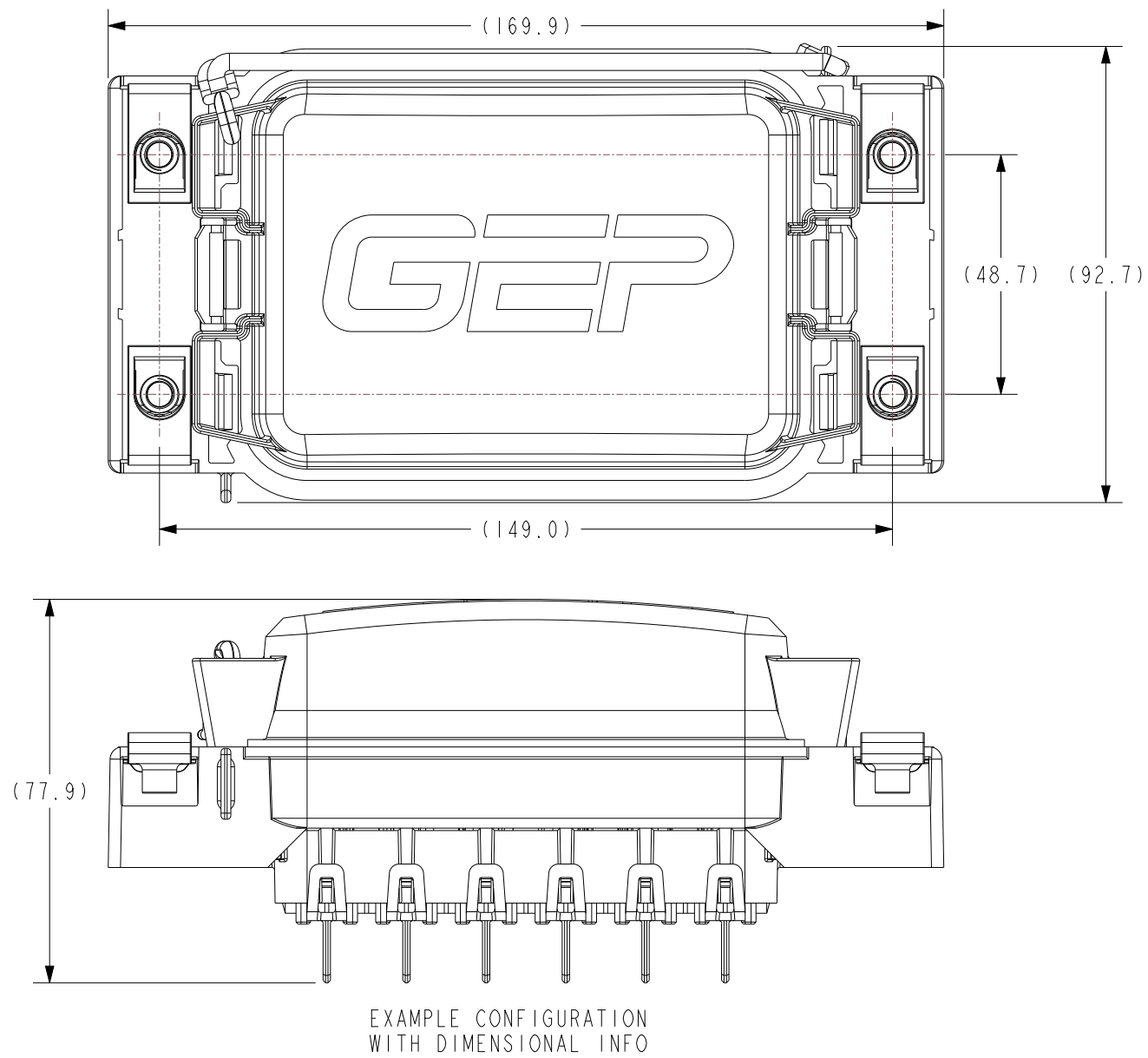
PART NO: PDM-U SERIES (SALES)

DESCRIPTION: POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING

CUSTOMER: STANDARD

METRIC (MM)	REV 6	SHEET 1 OF 11	SCALE 1:1	SIZE B
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EXAMPLE CONFIGURATION & NOTES



- NOTES:
- 1. HOUSING & COVER MATERIAL: PBT POLYESTER
 - 2. HOUSING & COVER FINISH/COLOR: MATTE/BLACK
 - 3. SEAL COLOR: BLUE
 - 4. CORRECT TERMINAL SEALS AND/OR CAVITY PLUGS MUST BE USED TO INSURE A SEALED UNIT
 - 5. RECOMMENDED MAXIMUM MOUNTING TORQUE: 40 IN-LBS
 - 6. DIMENSIONS ARE FOR REFERENCE ONLY
 - 7. RoHS AND REACH COMPLIANT

EXAMPLE ASSEMBLY BOM			
ITEM	DESCRIPTION	PART NO.	QTY
1	CLIP - M6 - 1 U-SPRING NUT	PDM-TMC	4
2	COVER - PDM-U, GEP	PDM-UC	1
3	HOUSING AND SEAL - PDM-U, 96 POS, 280 TERM, 10MM	SC42-2008A-B001	1
4	TETHER - COVER	PDM-SCT	1
5	TPA - 280 TERMINALS	PDM-UTI	6

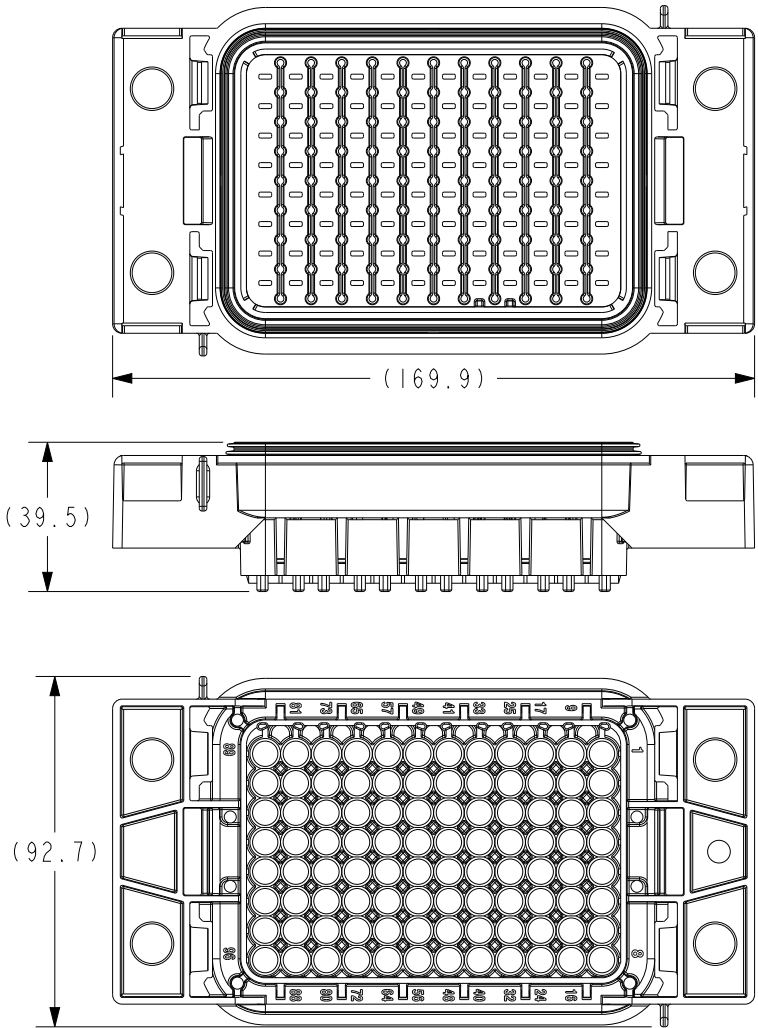


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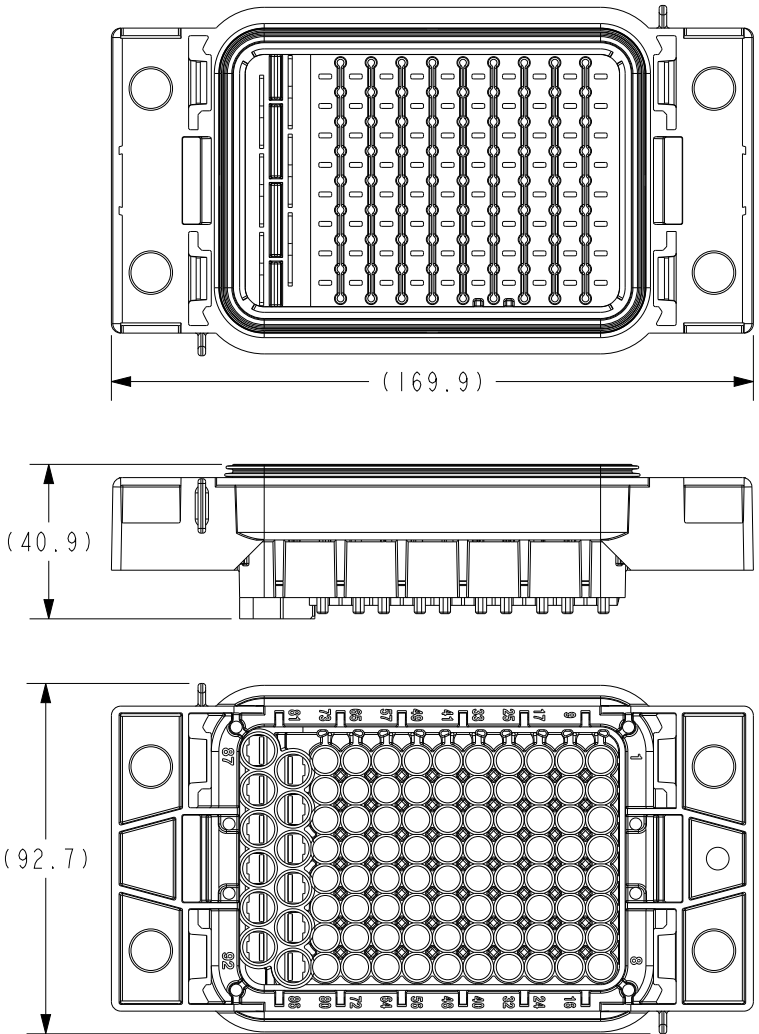
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DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	6	2 OF 11	1:1.333	B

HOUSING W/SEAL OPTIONS

SC42-2008A-B001
HOUSING AND SEAL - PDM-U, 96 POS, 280 TERM, 10MM
SEE NOTE 4



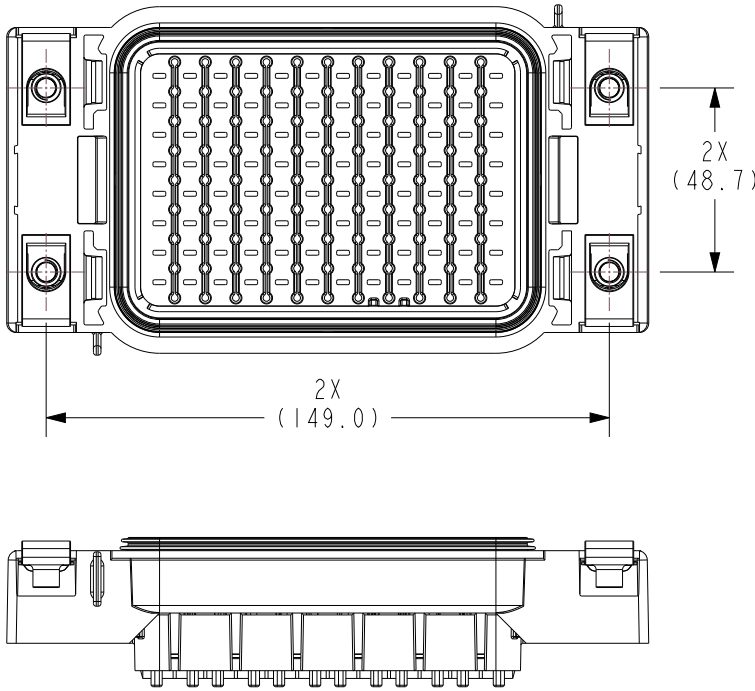
SC42-2008B-B001
HOUSING AND SEAL - PDM-U, 92 POS, 280 AND ATO TERM, 10MM
SEE NOTE 5



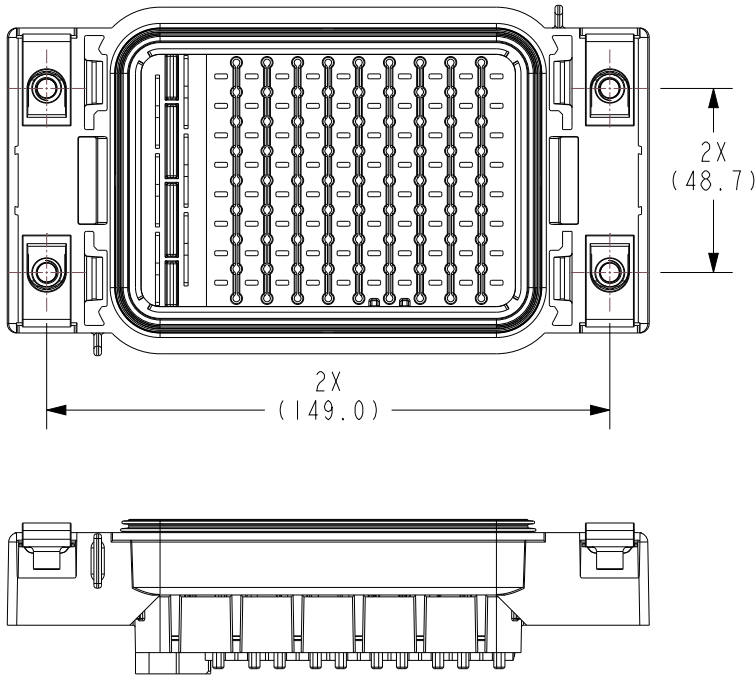
		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV 6	SHEET 3 OF 11	SCALE 1:2	SIZE B

HOUSING W/SEAL & SIDE MOUNT CLIPS OPTIONS

SC42-2036A-A001
HOUSING AND SEAL - PDM-U -
280 TERM - TM CLPS



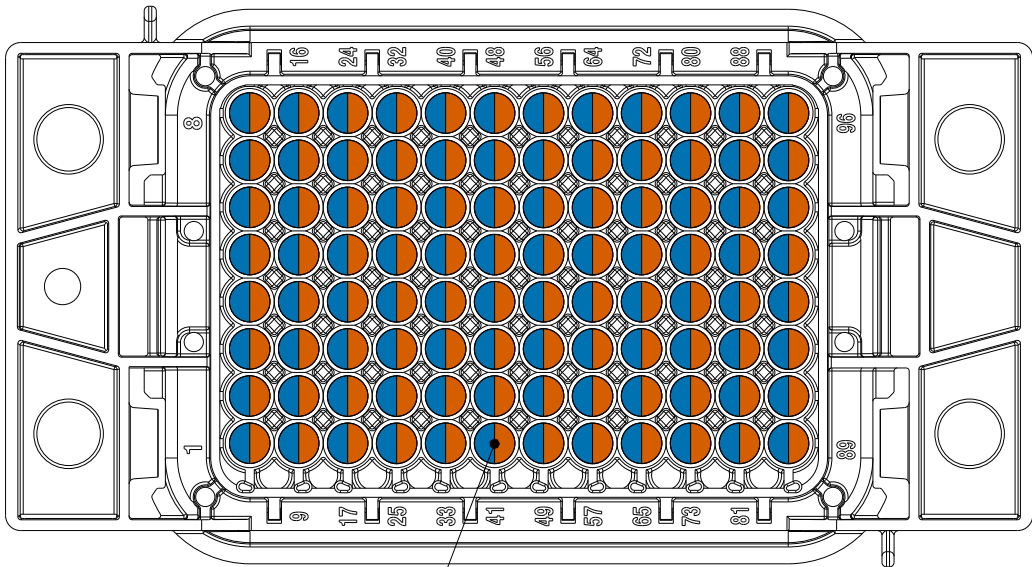
SC42-2036B-A001
HOUSING AND SEAL - PDM-U -
280 AND ATO TERM - TM CLPS



NOTE: MOUNTING CLIPS CAN ALSO BE PURCHASED SEPARATELY.
SEE SHEET 10 FOR ASSEMBLY INSTRUCTIONS.

GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV 6	SHEET 4 OF 11	SCALE 1:1	SIZE B

TERMINAL AND CABLE SEAL INFORMATION
SC42-2008A-B001, SC42-2036A-A001



280 CAVITIES
SEE TABLE A FOR TERMINALS
AND CABLE SEALS

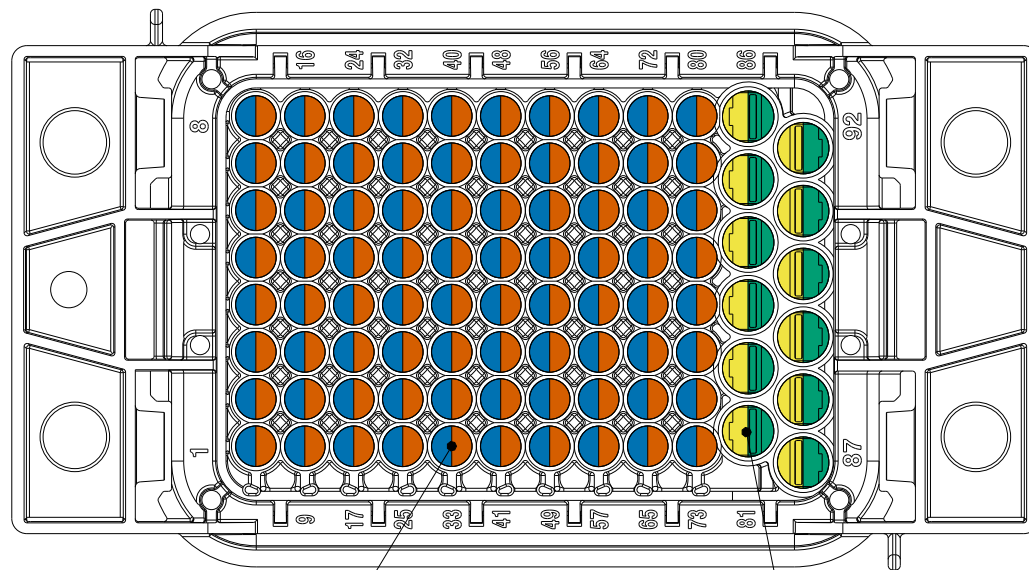
Table A			REV 0	
DELPHI 280 METRI-PACK TERMINALS				
PART #	CABLE RANGE (mm ²)	MATERIAL	PLATING	
12077413	3	TIN BRASS	TIN	
12129493	2.0-3.0	TIN BRASS	TIN	
12077411	0.8-1.0	TIN BRASS	TIN	
12084201	0.35-0.50	TIN BRASS	TIN	
12176387	5	BERYLLIUM COPPER	SILVER/NICKEL	
12176388	2.0-3.0	BERYLLIUM COPPER	SILVER/NICKEL	
12176389	0.8-1.0	BERYLLIUM COPPER	SILVER/NICKEL	
DELPHI 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)				
PART # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
12015360	12015193	3.45-4.3	SILICONE	BLUE
12015359	12010293	2.81-3.49	SILICONE	LT. GRAY
12015284	12015323	2.03-2.85	SILICONE	GREEN
12041352	12041351	2.03-2.42	SILICONE	TAN
12089444	12089679	1.6-2.15	SILICONE	PURPLE
12034365	12015899	1.29-1.70	SILICONE	DK. RED
	12010300	PLUG	SILICONE	GREEN
DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				



16830 Pheasant Drive
Brookfield, WI 53005

PART NO: PDM-U SERIES (SALES)				
DESCRIPTION: POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING				
CUSTOMER: STANDARD				
METRIC (MM)	REV 6	SHEET 5 OF 11	SCALE 1:1	SIZE B

TERMINAL AND CABLE SEAL INFORMATION
SC42-2008B-B001, SC42-2036B-A001



280 CAVITIES
SEE TABLE A FOR TERMINALS
AND CABLE SEALS

630 CAVITIES
SEE TABLE B FOR TERMINALS
AND CABLE SEALS

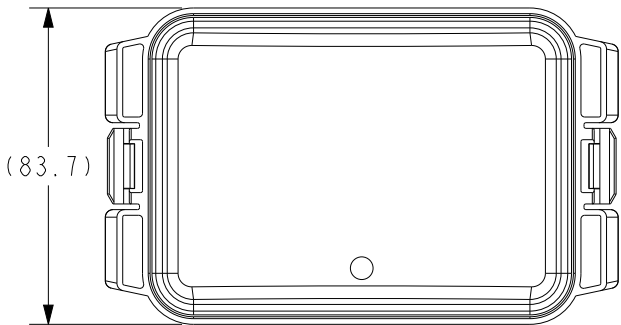
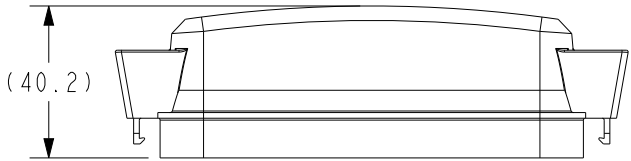
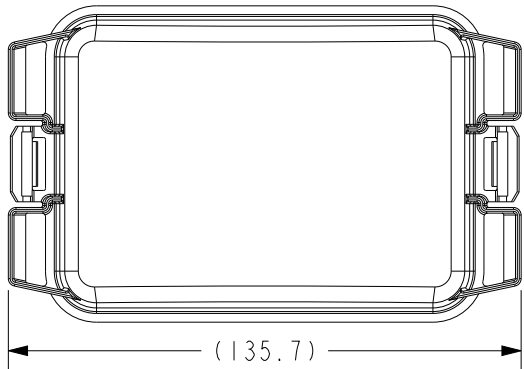
Table A			REV 0	
DELPHI 280 METRI-PACK TERMINALS				
PART #	CABLE RANGE (mm ²)	MATERIAL	PLATING	
12077413	3	TIN BRASS	TIN	
12129493	2.0-3.0	TIN BRASS	TIN	
12077411	0.8-1.0	TIN BRASS	TIN	
12084201	0.35-0.50	TIN BRASS	TIN	
12176387	5	BERYLLIUM COPPER	SILVER/NICKEL	
12176388	2.0-3.0	BERYLLIUM COPPER	SILVER/NICKEL	
12176389	0.8-1.0	BERYLLIUM COPPER	SILVER/NICKEL	
DELPHI 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)				
PART # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
12015360	12015193	3.45-4.3	SILICONE	BLUE
12015359	12010293	2.81-3.49	SILICONE	LT. GRAY
12015284	12015323	2.03-2.85	SILICONE	GREEN
12041352	12041351	2.03-2.42	SILICONE	TAN
12089444	12089679	1.6-2.15	SILICONE	PURPLE
12034365	12015899	1.29-1.70	SILICONE	DK. RED
	12010300	PLUG	SILICONE	GREEN
DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				

Table B			REV 0	
DELPHI 630 METRI-PACK TERMINALS				
PART #	RANGE (mm ²)	MATERIAL	PLATING	
15317331	4.00-6.00	TIN BRASS	TIN	
12052456	3.00-5.00	TIN BRASS	TIN	
12052455	1.00-2.00	TIN BRASS	TIN	
12052457	0.50-0.80	TIN BRASS	TIN	
15317332	4.00-6.00	BERYLLIUM COPPER	SILVER/NICKEL	
15305232	3.00-5.00	BERYLLIUM COPPER	SILVER/NICKEL	
DELPHI 480 METRI-PACK CABLE SEALS (REF. ONLY)				
NOTE: 630 CAVITIES IN THIS HOUSING ARE DESIGNED TO BE USED WITH 480 SERIES CABLE SEALS				
PART # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
15344644	15363779	1.20-2.00	SILICONE	YELLOW
12052931	12052930	1.60-2.15	SILICONE	YELLOW
	15327998	2.00-2.70	SILICONE	BLUE
12048433	12048441	2.00-2.90	SILICONE	WHITE
15344645	15363604	2.00-2.90	SILICONE	WHITE
12052452	12048442	2.80-3.90	SILICONE	DK. RED
15337204	15327864	2.80-3.80	SILICONE	DK. RED
15344646	15363605	3.60-4.50	SILICONE	GREEN
10733034	10733145	4.40-5.10	SILICONE	GRAY
15344104	15344647	4.40-5.10	SILICONE	GRAY
	12066082	PLUG	SILICONE	LT. GREEN
DELPHI METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				

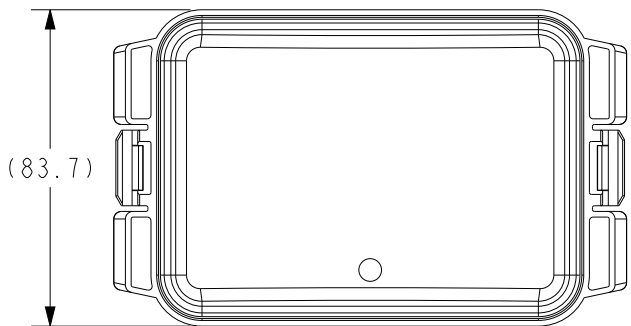
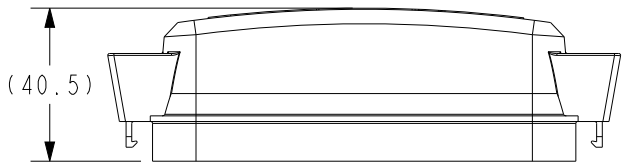
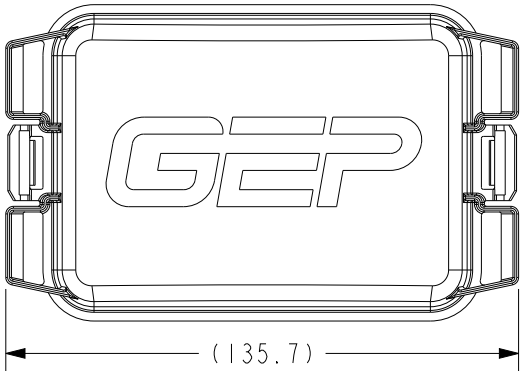
			16830 Pheasant Drive Brookfield, WI 53005		
PART NO:			PDM-U SERIES (SALES)		
DESCRIPTION:			POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:			STANDARD		
METRIC (MM)	REV 6	SHEET 6 OF 11	SCALE 1:1	SIZE B	

COVER OPTIONS

PDM-UCP
COVER - PDM-U, PLAIN

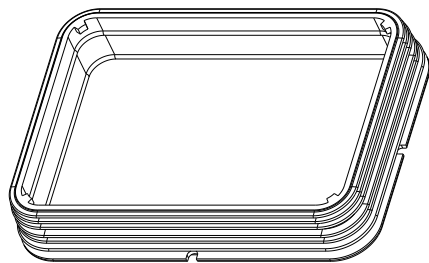


PDM-UC
COVER - PDM-U, GEP

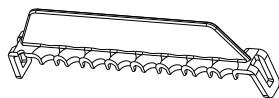


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PART NO:		PDM-U SERIES (SALES)			
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING			
CUSTOMER:		STANDARD			
METRIC (MM)	REV	SHEET	SCALE	SIZE	
	6	7 OF 11	1:1	B	

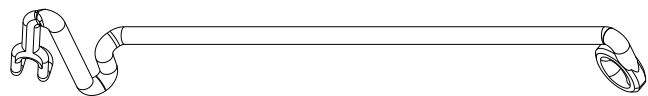
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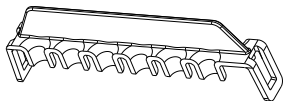
SC14-2008A-B015
COVER SEAL BLUE
(ENHANCED SEALING AND UL94 V0)
(INCLUDED WITH SC42-2008A-B001,
SC42-2008B-B001, SC42-2036A-A001,
AND SC42-2036B-A001)



PDM-UT1
280 TPA
(6 PER ASSY REQUIRED FOR SC42-2008A-B001
& SC42-2036A-A001)
(5 PER ASSY REQUIRED FOR SC42-2008B-B001
& SC42-2036B-A001)



PDM-SCT
COVER TETHER

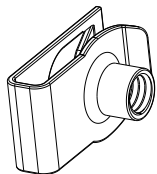


PDM-UT5
630 TPA
(1 PER ASSY REQUIRED FOR SC42-2008B-B001
& SC42-2036B-A001)



SCALE 2:1

PDM-TK
DIODE KEY

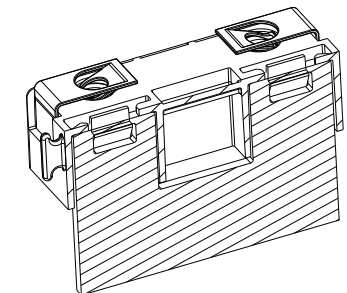
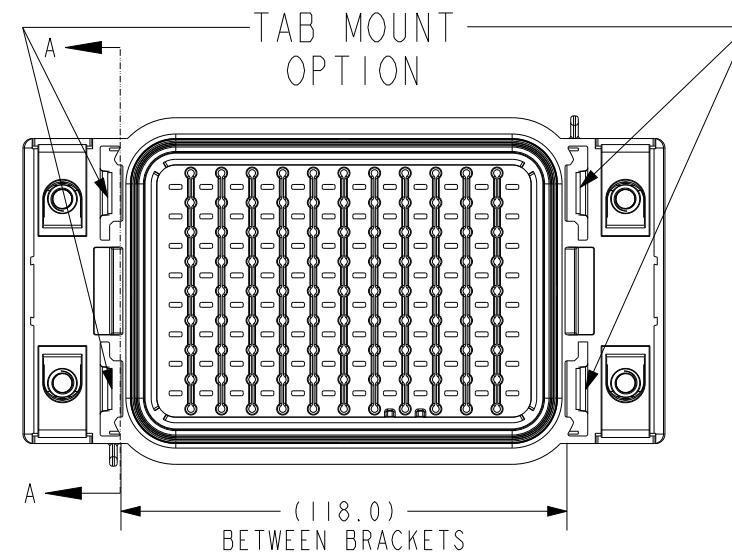
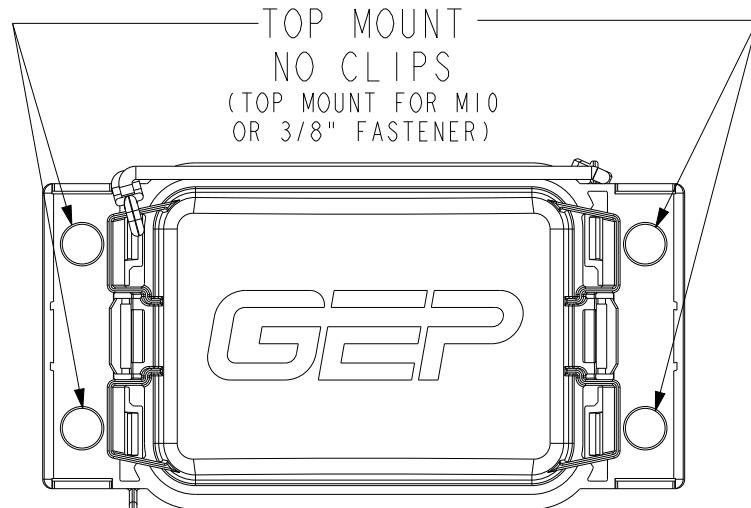
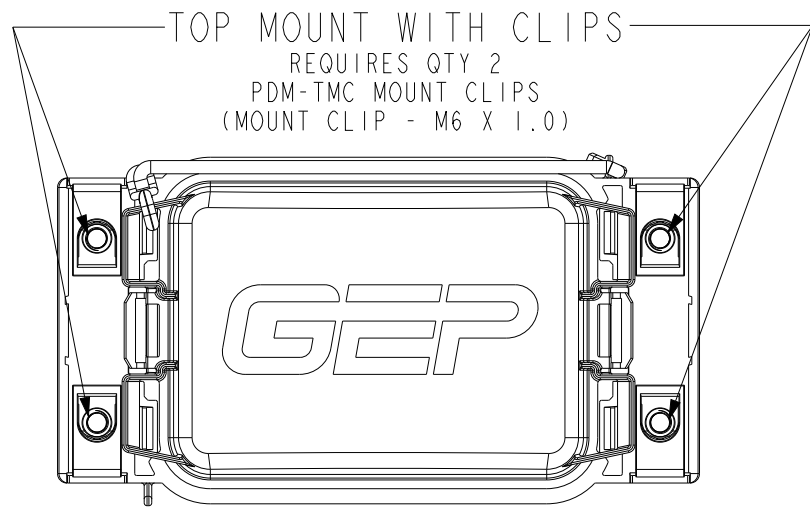


SCALE 1:1

PDM-TMC
MOUNTING CLIP M6

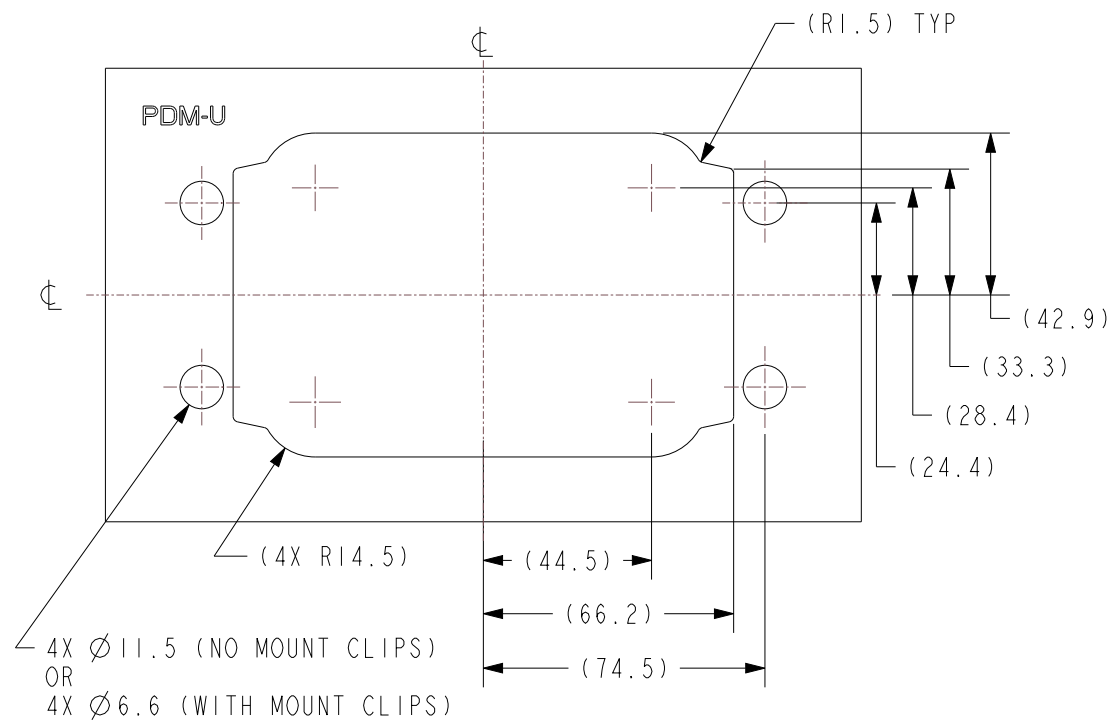
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PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	6	8 OF 11	1:1.5	B

MOUNTING OPTIONS

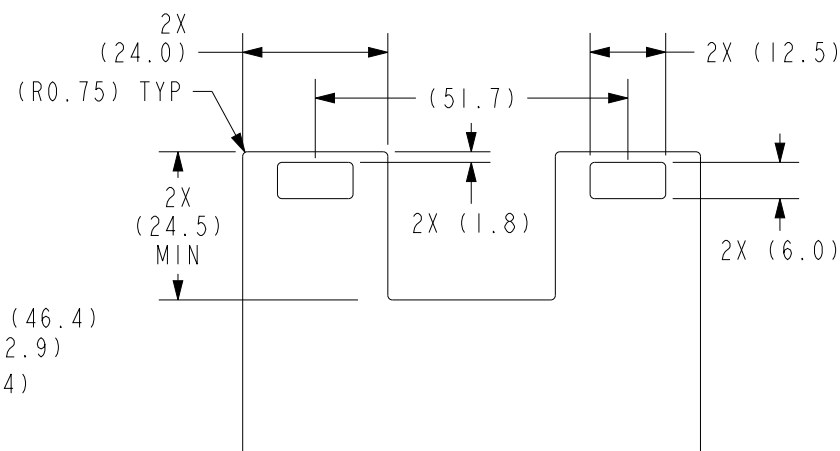
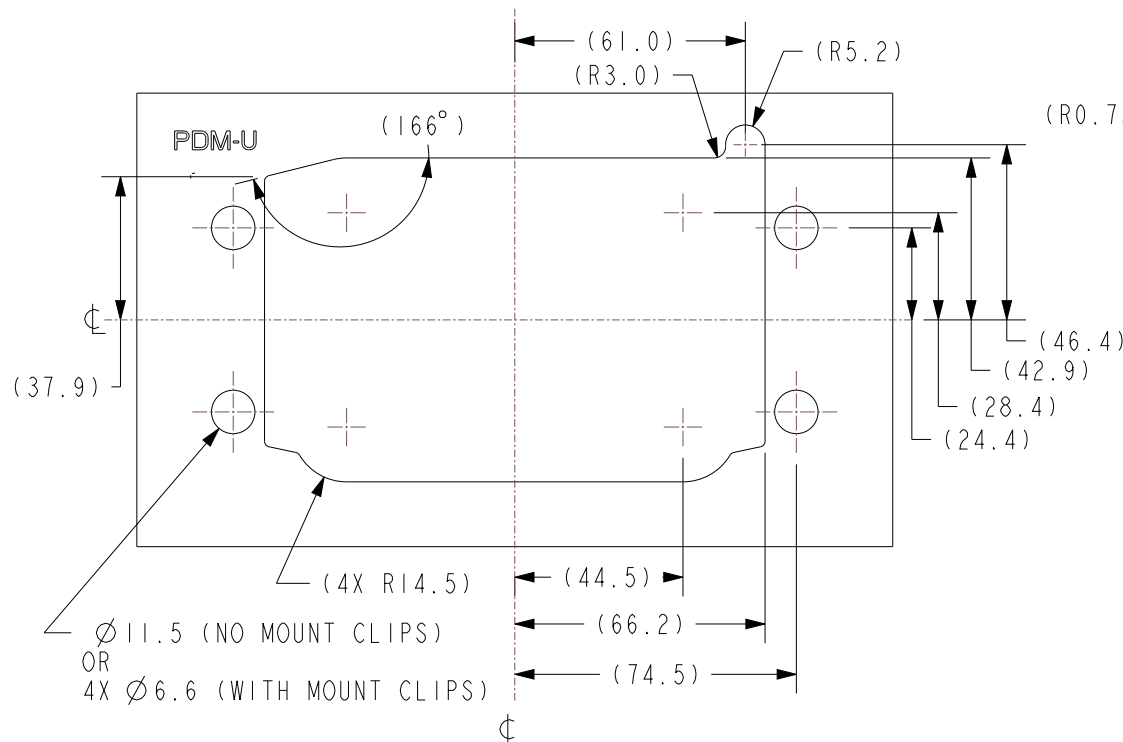


SECTION A-A
EXAMPLE TAB MOUNTING

PANEL CUTOUT
(NO TETHER)



PANEL CUTOUT
(TETHER)



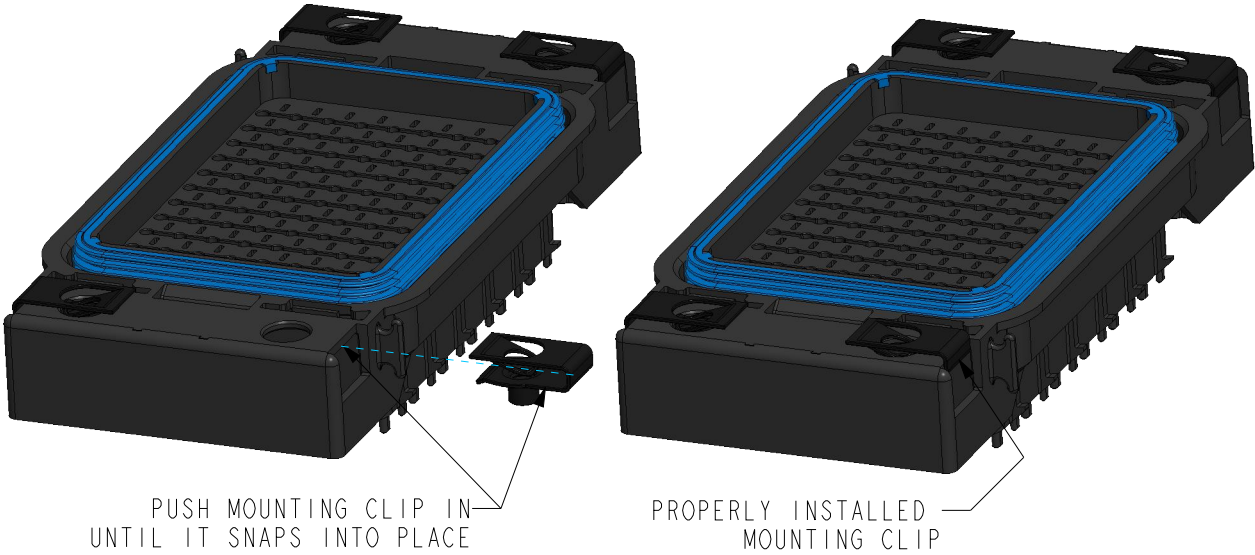
SCALE 1:1.25

MOUNT BRACKET
RECOMMENDED THICKNESS: 2 TO 3.2MM
(CUSTOMER SUPPLIED)

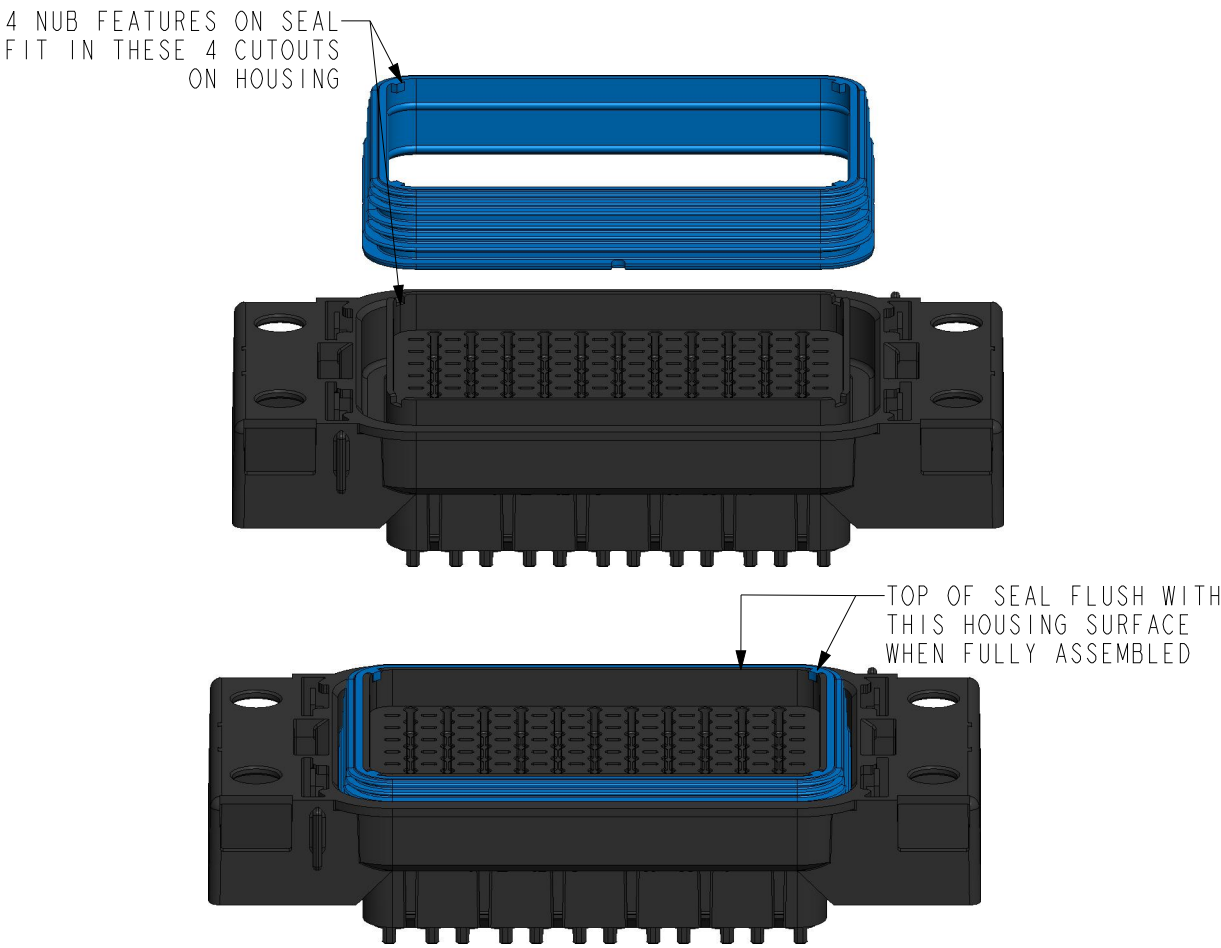
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PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV 6	SHEET 9 OF 11	SCALE 1:2	SIZE B

ASSEMBLY INSTRUCTIONS

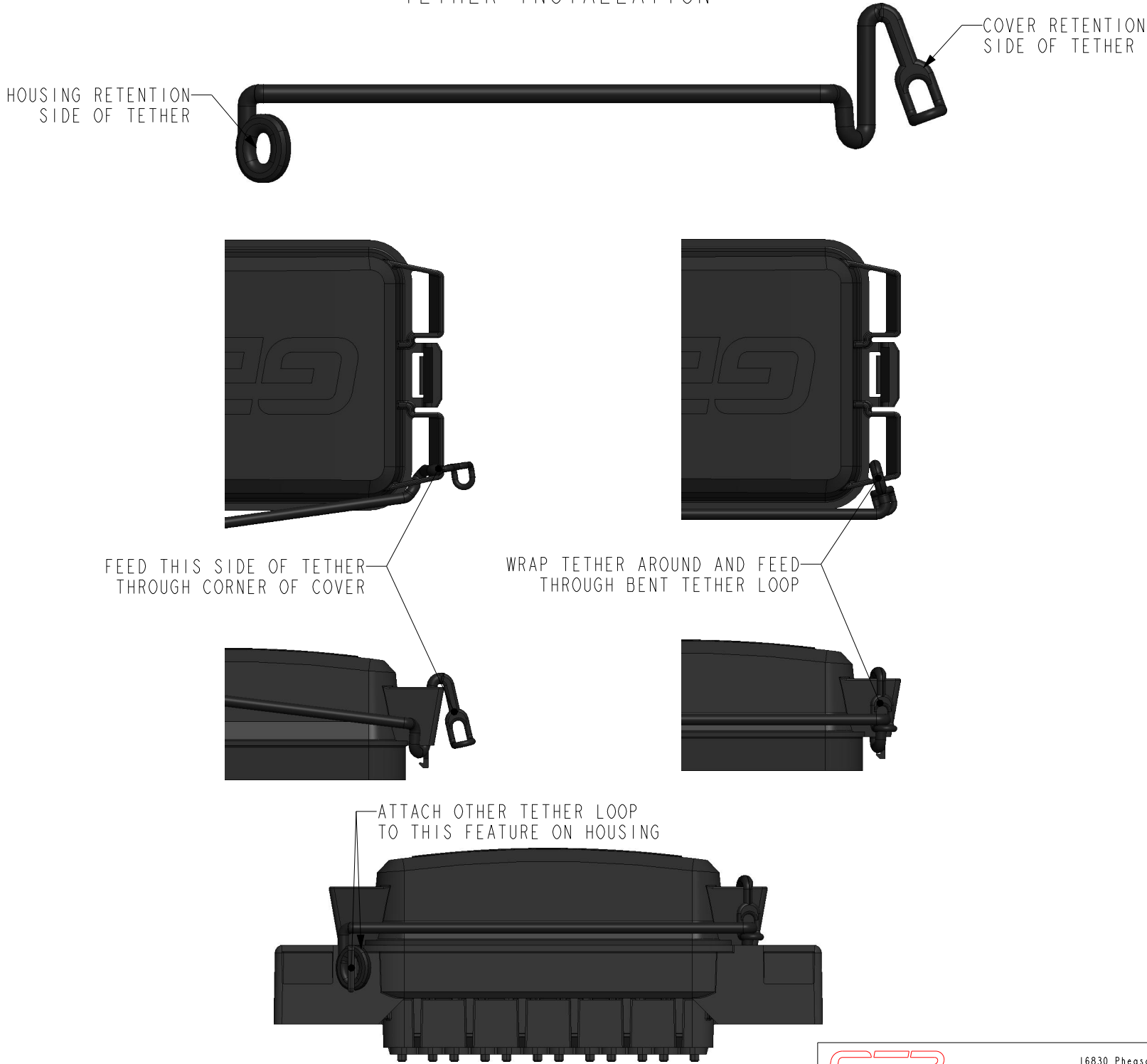
MOUNTING CLIP INSTALLATION



SEAL INSTALLATION



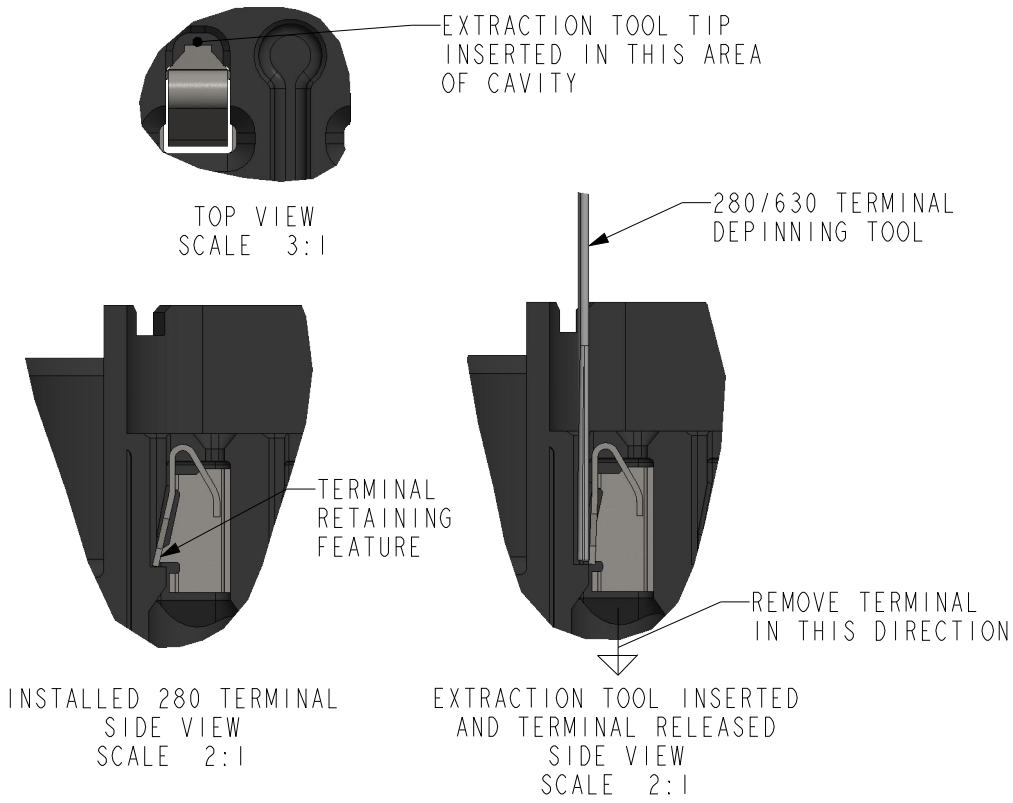
TETHER INSTALLATION



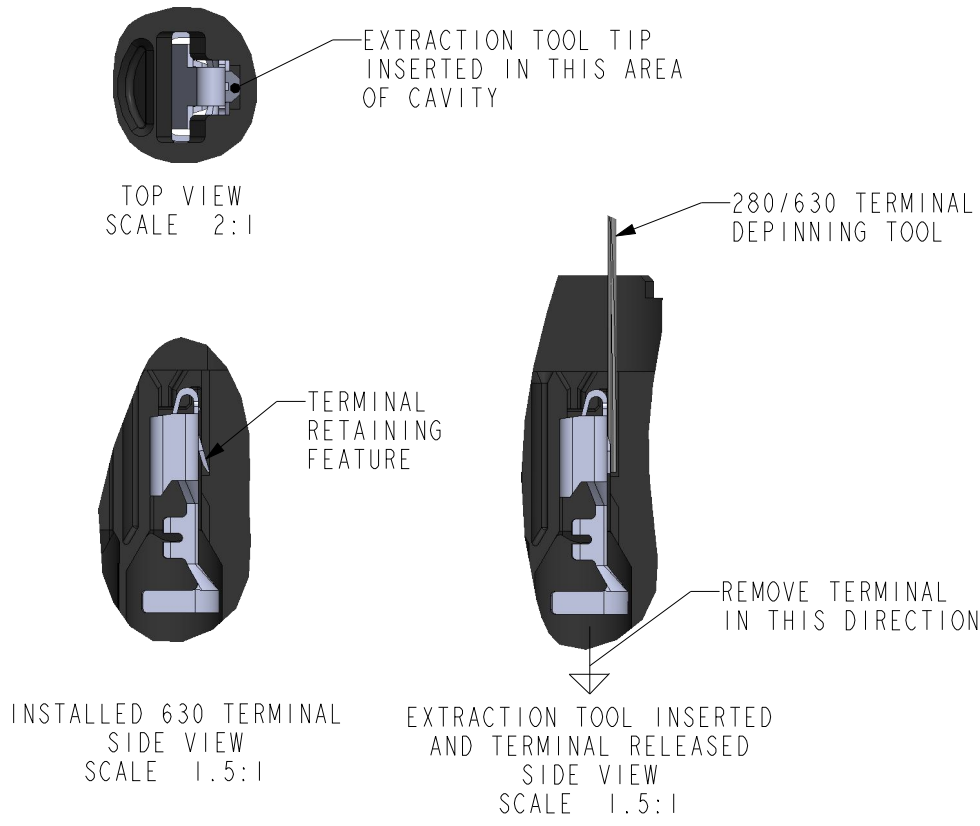
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PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	6	10 OF 11	1:1.667	B

DEPINNING INSTRUCTIONS

280 TERMINAL DEPINNING



630 TERMINAL DEPINNING



		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV 6	SHEET 11 OF 11	SCALE 1:1	SIZE B