

NOTES:
1 MARKED WITH TE PART NUMBER, CAGE CODE AND DATE CODE.

PART NUMBER EXAMPLE: D369 - B 3 3 - N P 4

BASIC PART NUMBER

SHELL STYLE
(B = PANEL MOUNT RECEPTACLE 90°)

SHELL SIZE

CONTACT QUANTITY
(3=3 x #22, 6=6 x #22, 9=9 x #22)

CONTACT CONFIGURATION
(4= 90° GOLD PLATED PCB TAIL)
(5= 90° GOLD PLATED, TIN DIPPED PCB TAIL)

CONTACT TYPE (P=PIN, S=SKT)

SHELL KEYING

2 PERFORMANCE:

TEMPERATURE RANGE	-55°C TO +175°C
DIELECTRIC WITHSTAND VOLTAGE (AT SEA LEVEL)	1500VRMS <2mA LEAKAGE
DURABILITY	500 MATING CYCLES MIN.
INSULATION RESISTANCE	≥5000 MΩ INITIAL
IP RATING	IP67
SEALING	RTCA DO160 - CATEGORY A4 (15,000ft)
HUMIDITY	RTCA DO160 - CATEGORY A

3. MATERIALS:

COMPONENT	MATERIAL (FINISH: CLEAN IN ALL CASES)
SEALS	SILICONE / FLUOROSILICONE BLEND RUBBER
BODY / INSERT COMPONENTS	THERMOPLASTIC
CONTACTS	COPPER ALLOY, SEE NOTE 1 FOR FINISH

4. THESE CONNECTORS ARE ROHS COMPLIANT

5. MAXIMUM WEIGHTS:
3 WAY - 6.9g (PIN INSERT), 6.9g (SOCKET INSERT).
6 WAY - 7.7g (PIN INSERT), 7.7g (SOCKET INSERT).
9 WAY - 8.5g (PIN INSERT), 8.5g (SOCKET INSERT).

6 SHELL KEYING:

SHELL KEYING (ALL SIZES)	
ORIENTATION	COLOUR
N	BLACK
A	DARK RED
B	DARK BLUE
C	DARK GREEN
D	YELLOW

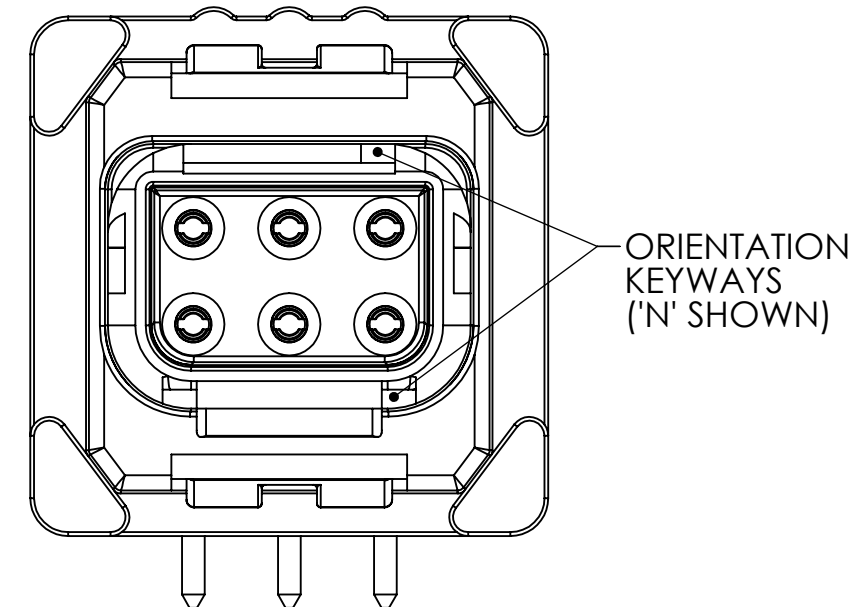
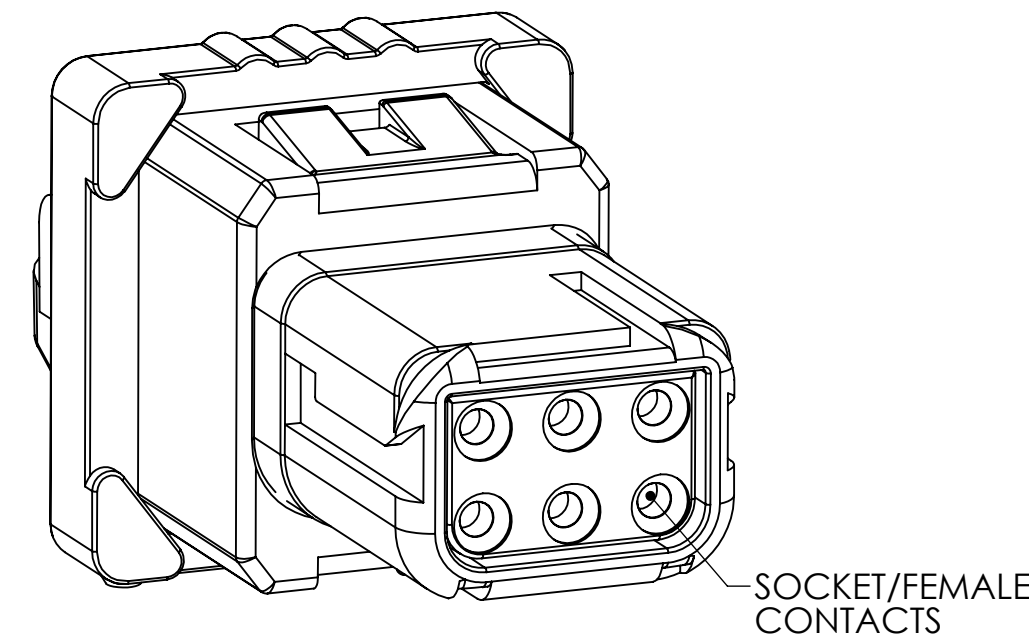
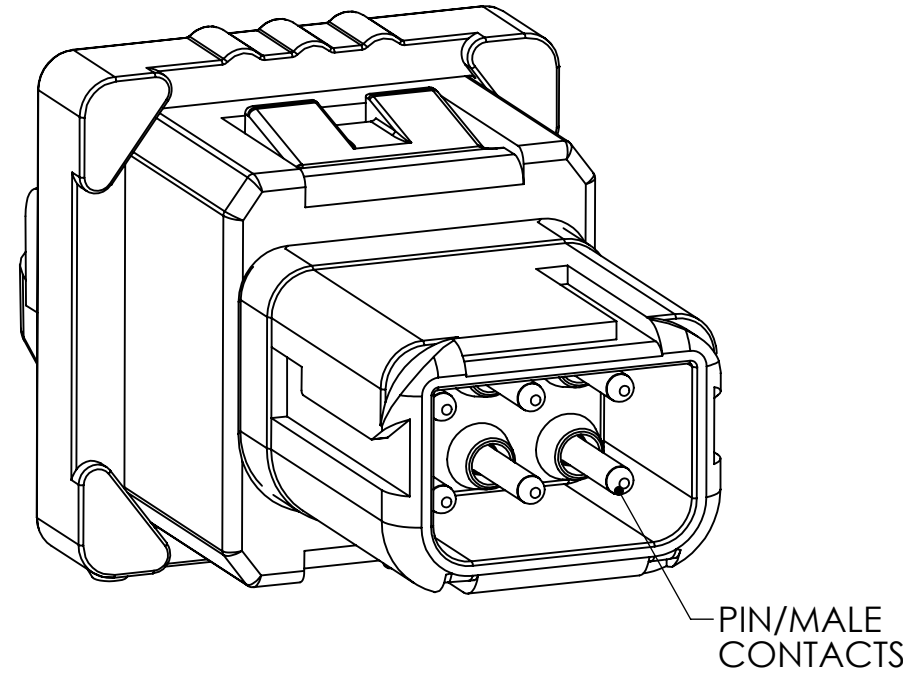
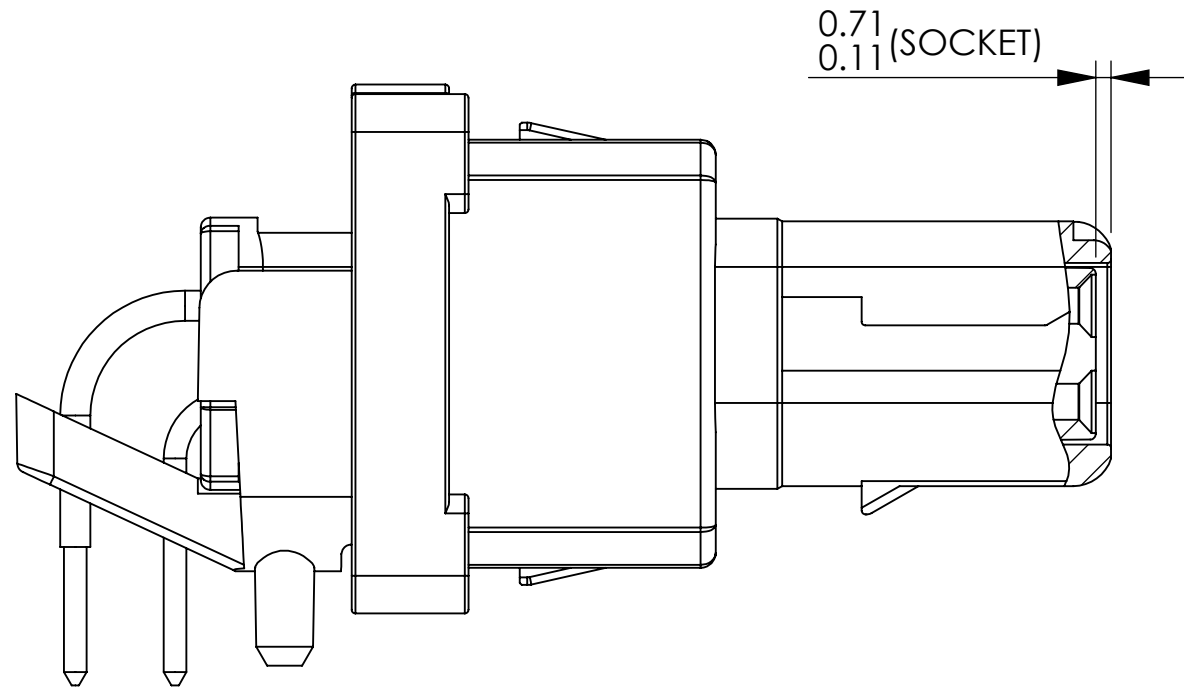
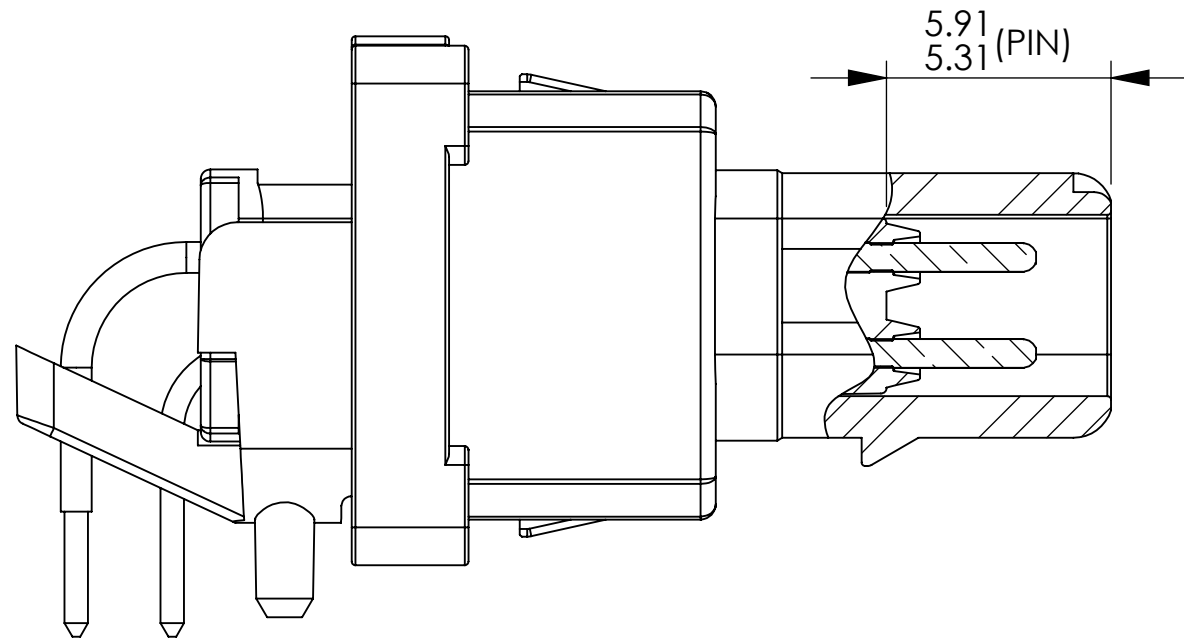
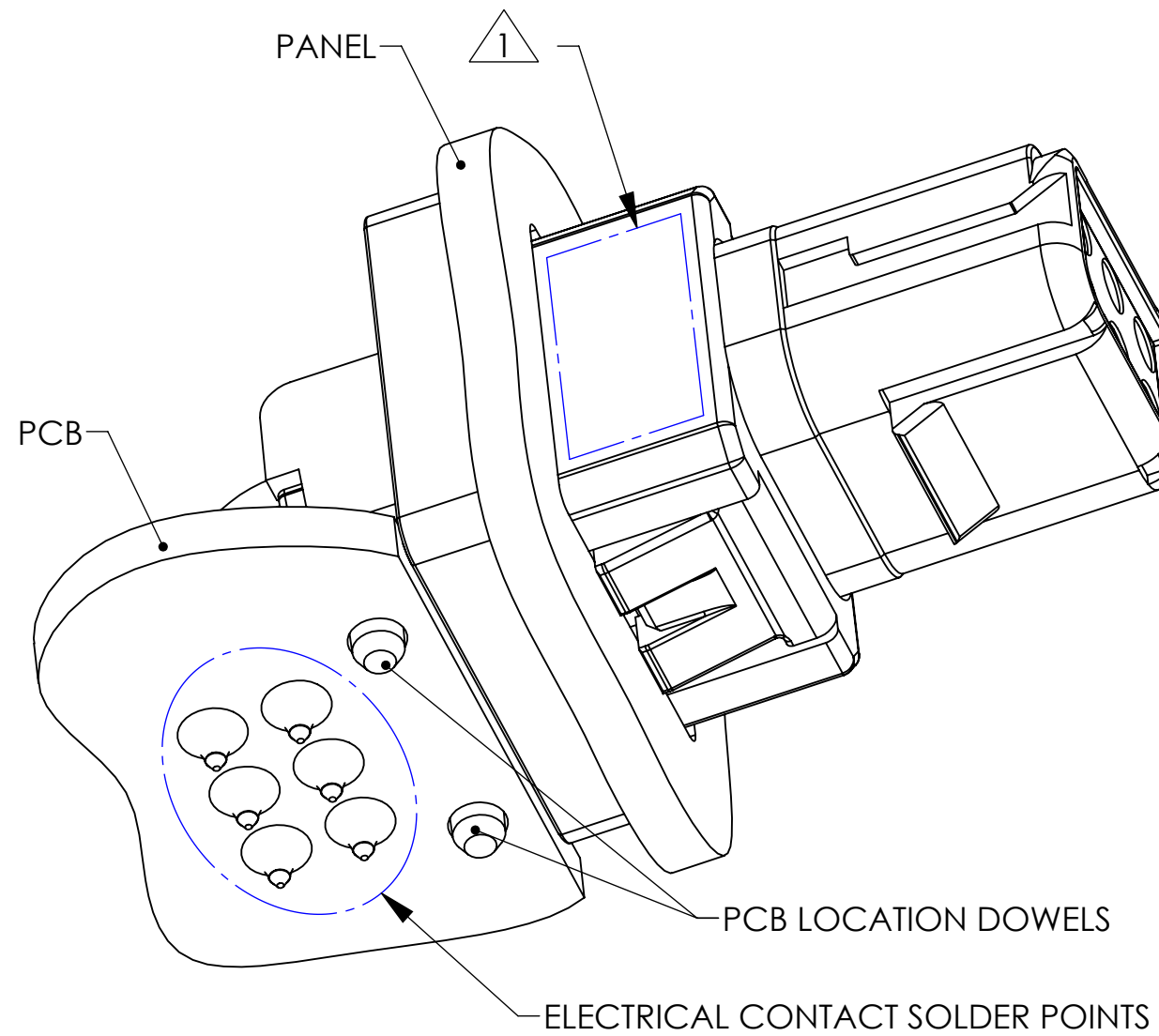
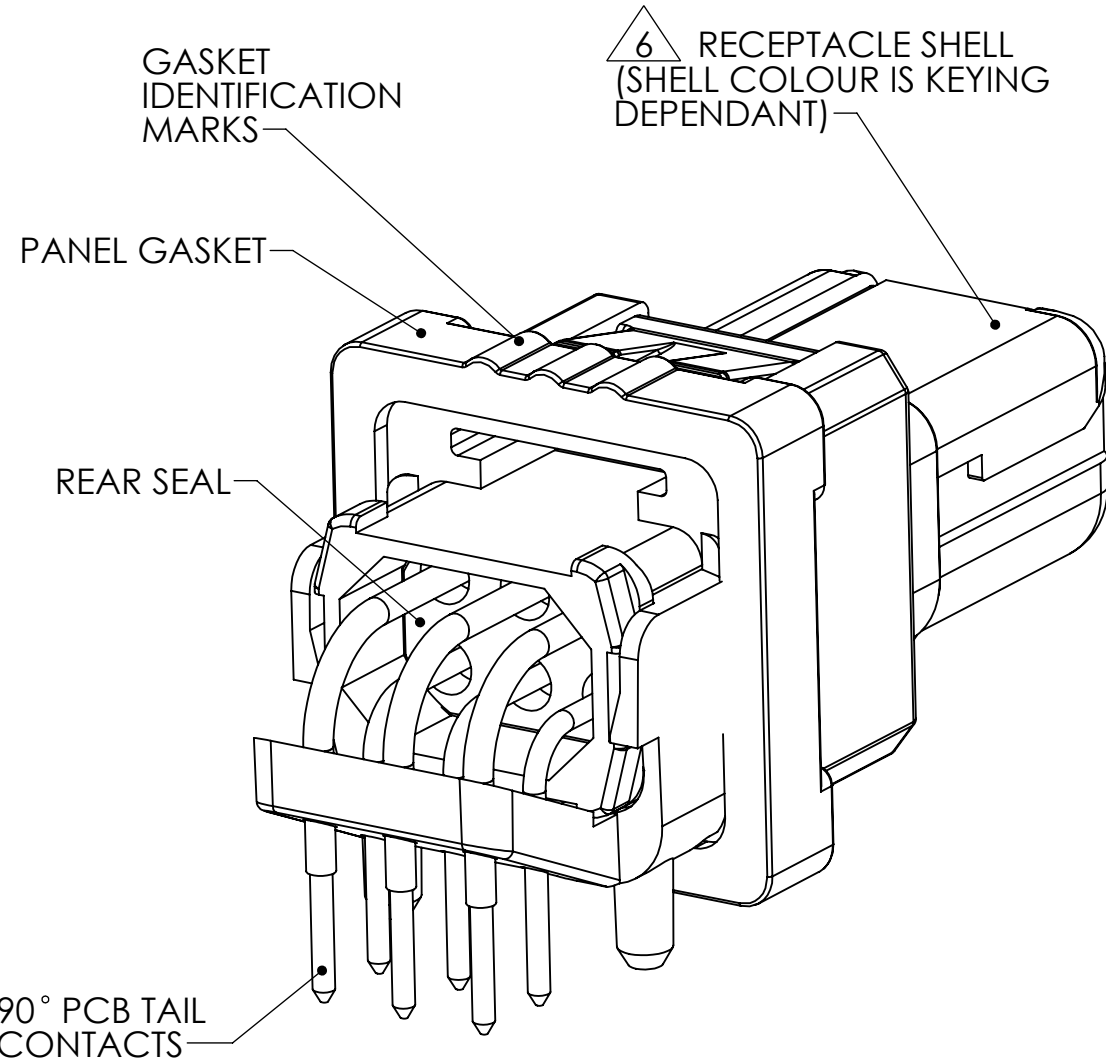
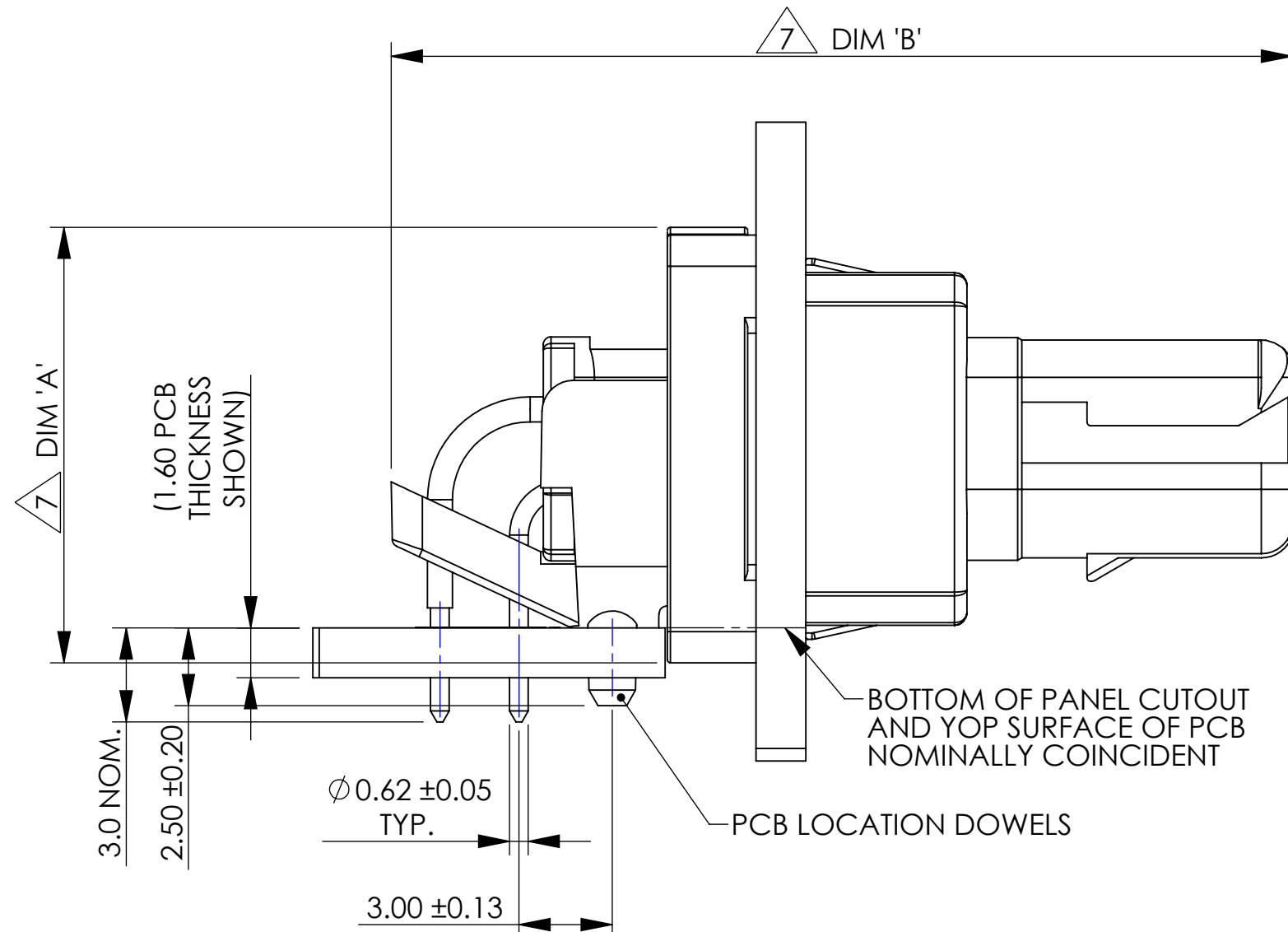
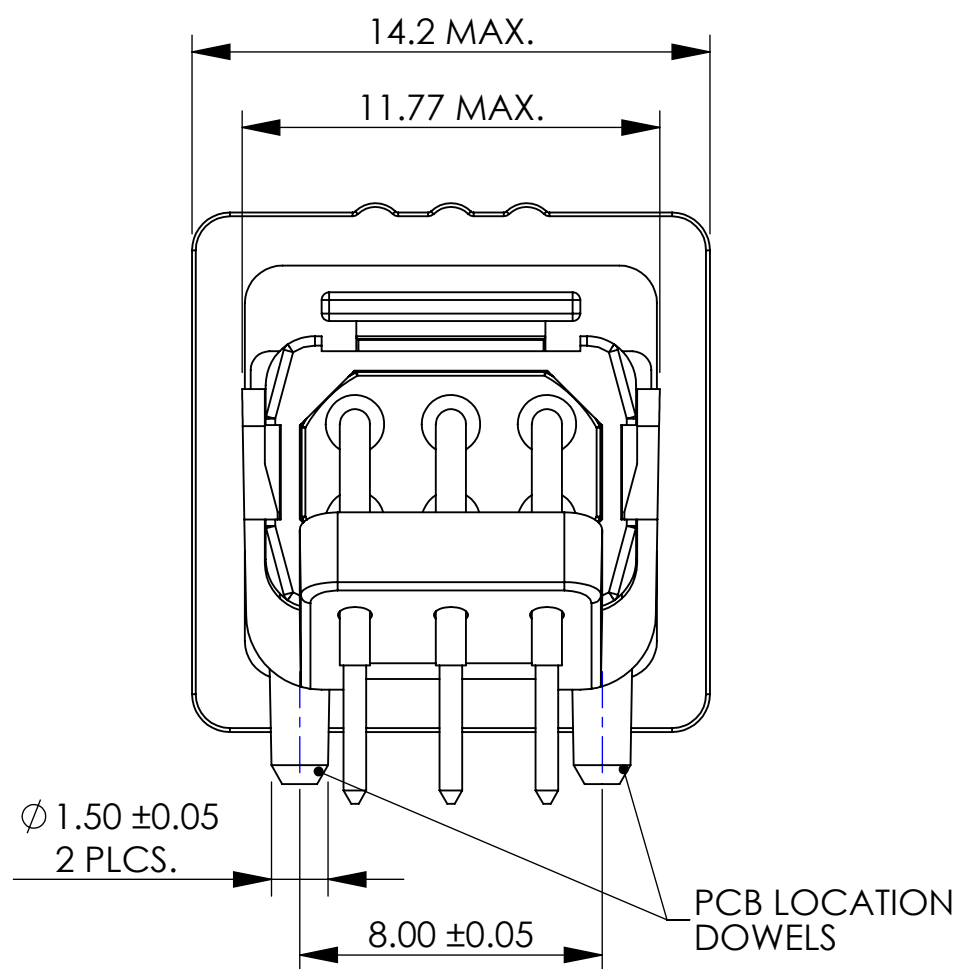
7 DIMENSIONS:

SHELL SIZE	DIM 'A' MAX.	DIM 'B' MAX.
3	11.7	26.8
6	14.2	29.4
9	16.8	32.0

8. 6 WAY CONNECTOR SHOWN IN ALL VIEWS ON SHEET 1 FOR ILLUSTRATION PURPOSES.

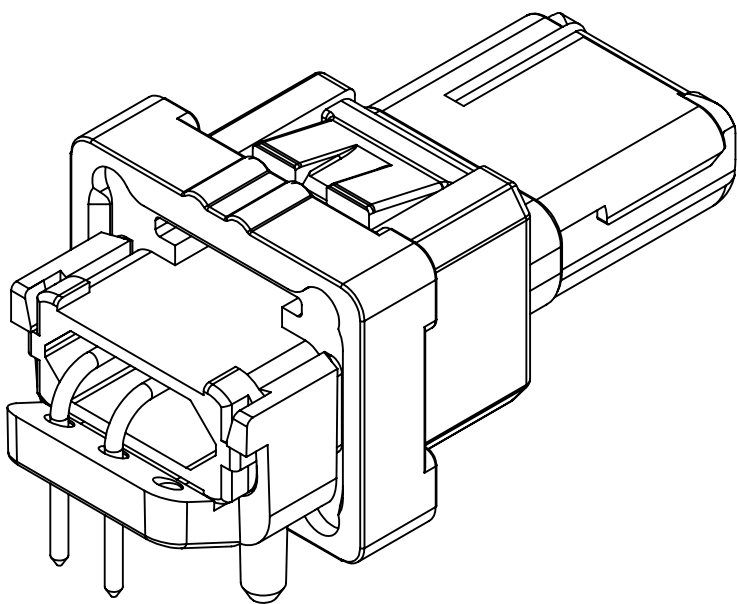
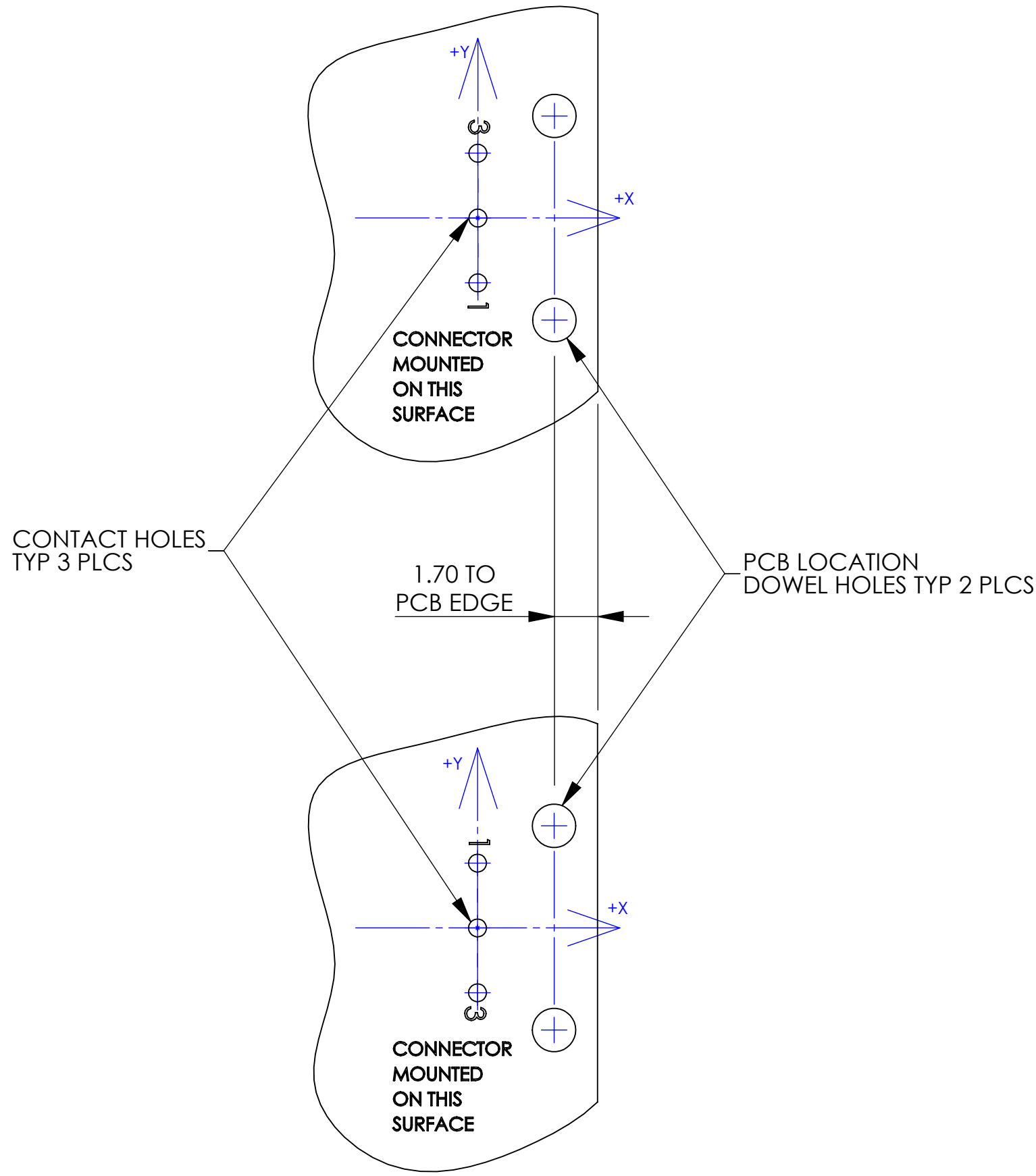
9. RECOMMENDED PANEL THICKNESS LISTED IN TABLE BELOW FOR REFERENCE ONLY. REFER TO INSTRUCTION SHEET 408-32194 FOR PANEL CUTOUT DIMENSIONS.

SHELL SIZE	GASKET CONFIGURATION	NUMBER OF MARKS	RECOMMENDED PANEL THICKNESS	GASKET PART NUMBER
3	A	2	1.27	NOT TOOLED
	B	3	1.60	612154-3-B
	C	4	2.03	NOT TOOLED
6	A	2	1.27	612154-6-A
	B	3	1.60	NOT TOOLED
	C	4	2.03	612154-6-C
9	A	2	1.27	NOT TOOLED
	B	3	1.60	612154-9-B
	C	4	2.03	NOT TOOLED



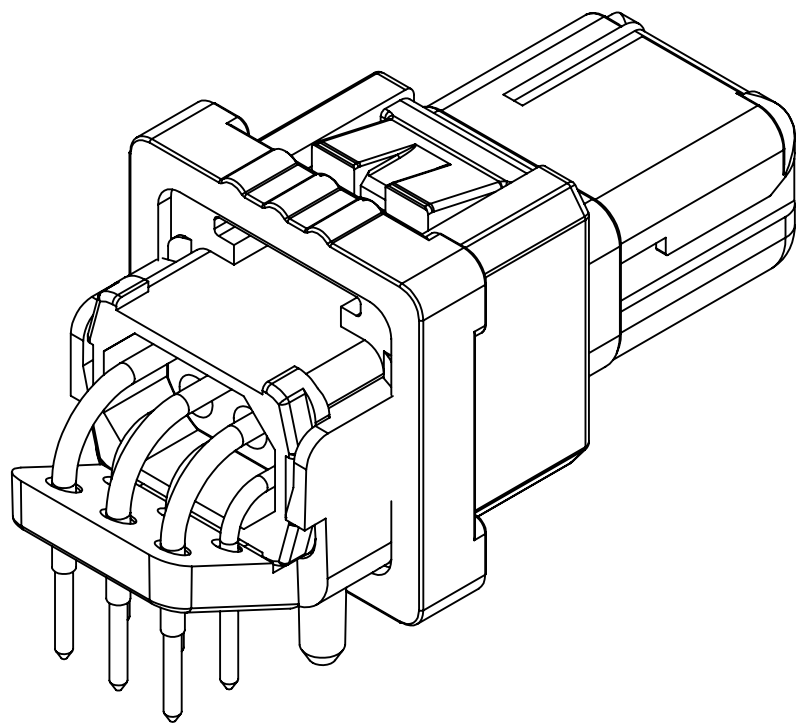
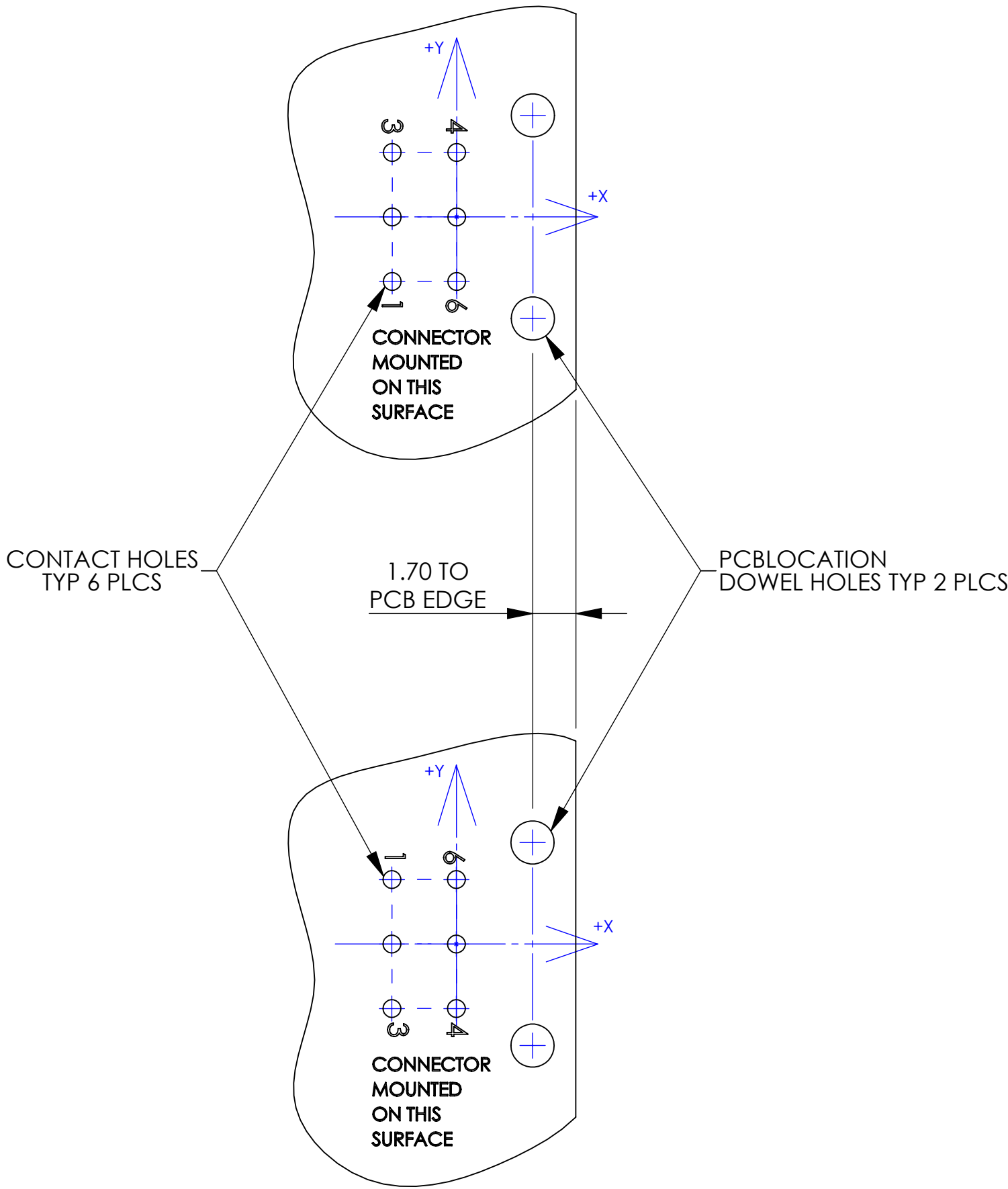
3 WAY CONNECTOR

HOLE TYPE		HOLE TABLE				HOLE POSITION TOLERANCE
		CO-ORDINATES (mm)				
		PIN		SOCKET		
		X AXIS	Y AXIS	X AXIS	Y AXIS	
PCB LOCATION HOLES		+3.00 REF	+4.00 REF	+3.00 REF	+4.00 REF	Ø 0.10
		+3.00 REF	-4.00 REF	+3.00 REF	-4.00 REF	
CONTACT TAIL HOLES	LOCATION	-	-	-	-	HOLE DIAMETERS AND TOLERANCES AND HOLE POSITION TOLERANCES TO SUIT CUSTOMER PCB DESIGN GUIDELINES
	1	0	-2.54	0	+2.54	
	2	0	0	0	0	
	3	0	+2.54	0	-2.54	



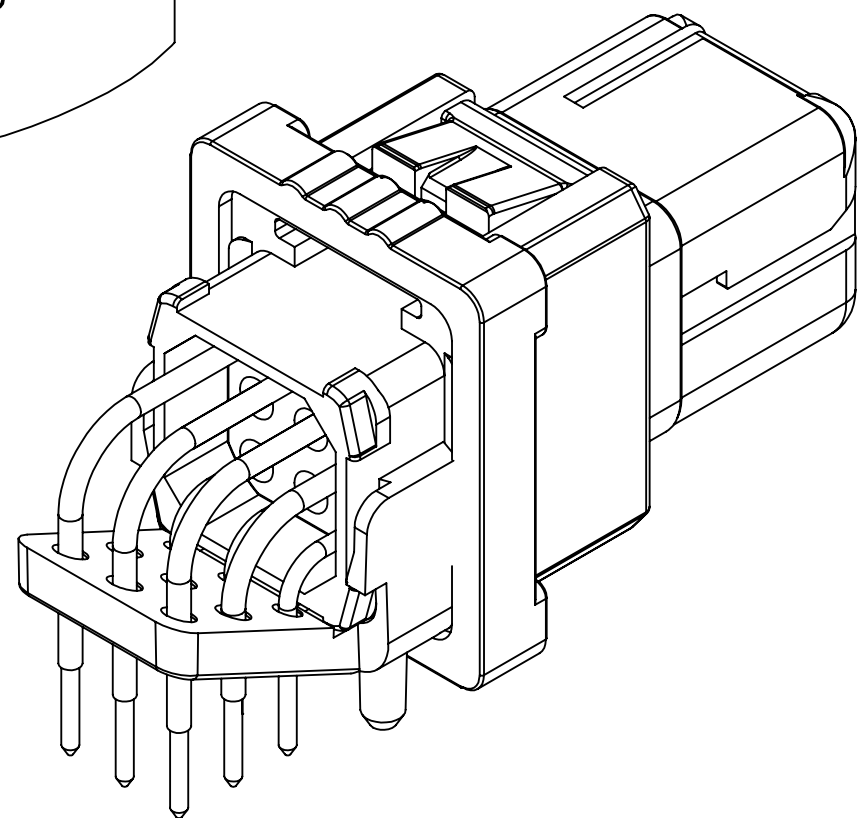
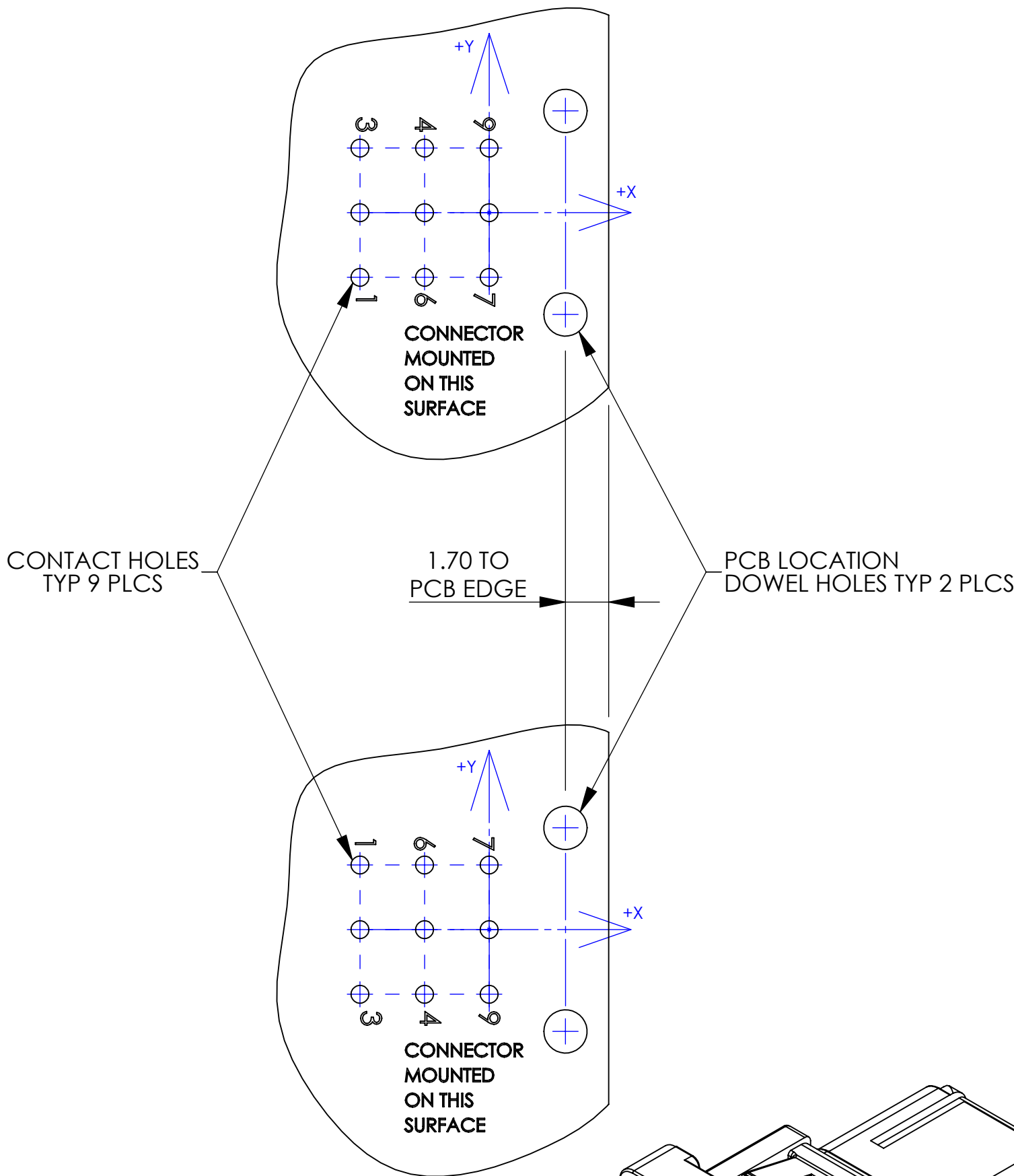
6 WAY CONNECTOR

HOLE TYPE		HOLE TABLE				HOLE POSITION TOLERANCE
		CO-ORDINATES (mm)				
		PIN		SOCKET		
		'X'	'Y'	'X'	'Y'	
PCB LOCATION HOLES		+3.00 REF	+4.00 REF	+3.00 REF	+4.00 REF	Ø 0.10
		+3.00 REF	-4.00 REF	+3.00 REF	-4.00 REF	
CONTACT TAIL HOLES	LOCATION	-	-	-	-	HOLE DIAMETERS AND TOLERANCES AND HOLE POSITION TOLERANCES TO SUIT CUSTOMER PCB DESIGN GUIDELINES
	1	-2.54	-2.54	-2.54	+2.54	
	2	-2.54	0	-2.54	0	
	3	-2.54	+2.54	-2.54	-2.54	
	4	0	+2.54	0	-2.54	
	5	0	0	0	0	
	6	0	-2.54	0	+2.54	



9 WAY CONNECTOR

HOLE TYPE		HOLE TABLE				HOLE POSITION TOLERANCE
		CO-ORDINATES (mm)				
		PIN		SOCKET		
PCB LOCATION HOLES		'X'	'Y'	'X'	'Y'	Ø 0.10
		+3.00 REF	+4.00 REF	+3.00 REF	+4.00 REF	
		+3.00 REF	-4.00 REF	+3.00 REF	-4.00 REF	
CONTACT TAIL HOLES	LOCATION	-	-	-	-	HOLE DIAMETERS AND TOLERANCES AND HOLE POSITION TOLERANCES TO SUIT CUSTOMER PCB DESIGN GUIDELINES
	1	-5.08	-2.54	-5.08	+2.54	
	2	-5.08	0	-5.08	0	
	3	-5.08	+2.54	-5.08	-2.54	
	4	-2.54	+2.54	-2.54	-2.54	
	5	-2.54	0	-2.54	0	
	6	-2.54	-2.54	-2.54	+2.54	
	7	0	-2.54	0	+2.54	
	8	0	0	0	0	
	9	0	+2.54	0	-2.54	



BS8888 THIRD ANGLE PROJECTION 		MATERIAL: SEE NOTES		FINISH:			
UNLESS OTHERWISE STATED: DIMENSIONS: mm [INCHES]		TITLE:		TYPE: CUSTOMER DRAWING		DEUTSCH	
		D369 PANEL MOUNT PCB RECEPTACLE, ENVELOPE				TE CONNECTIVITY UK LTD., ST. LEONARDS-ON-SEA, TN38 9RF, UK.	
IF IN DOUBT, ASK		SIZE:	SCALE:	DRAWING NUMBER:		SHEET:	ISSUE:
		A1	5:1	612229-ENV		2 OF 2	AB

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[YD369-B99-CP400000](#)