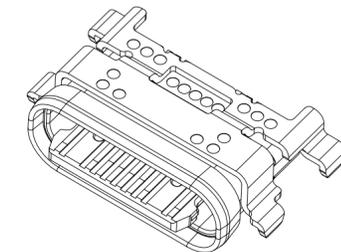
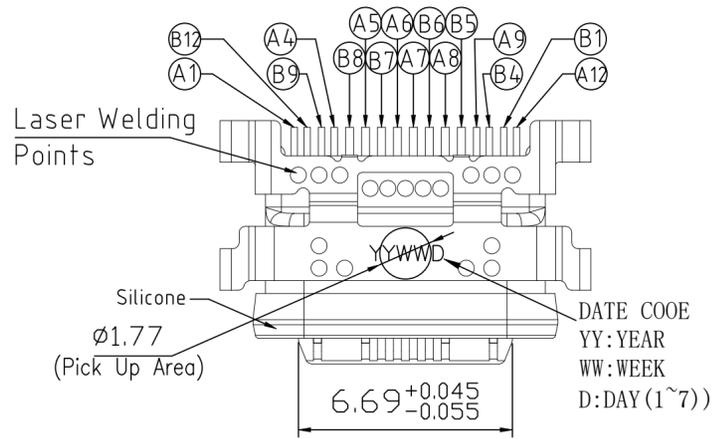


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
1		INITIAL RELEASE	28NOV2024	TR	RCG



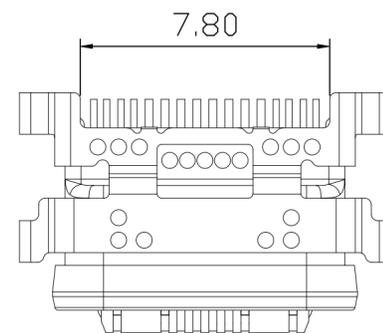
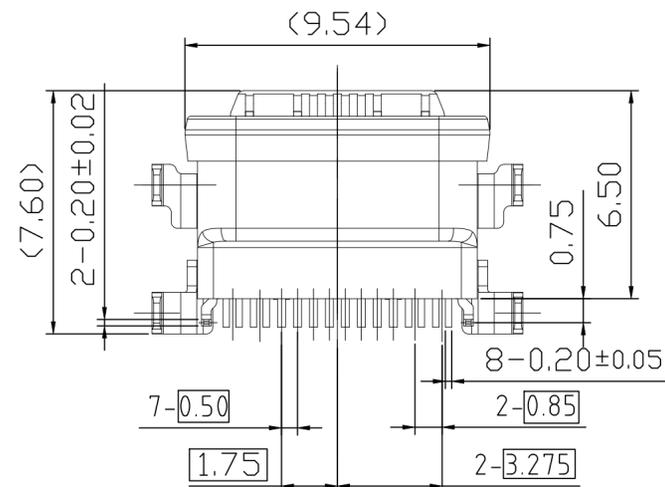
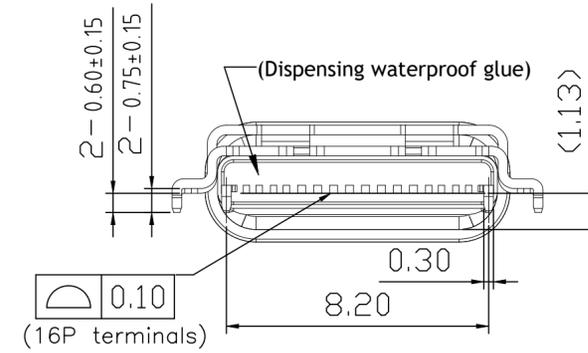
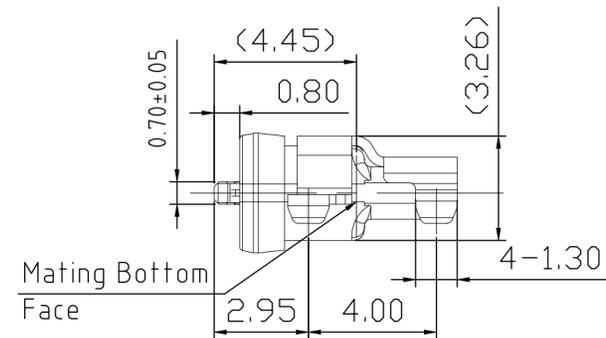
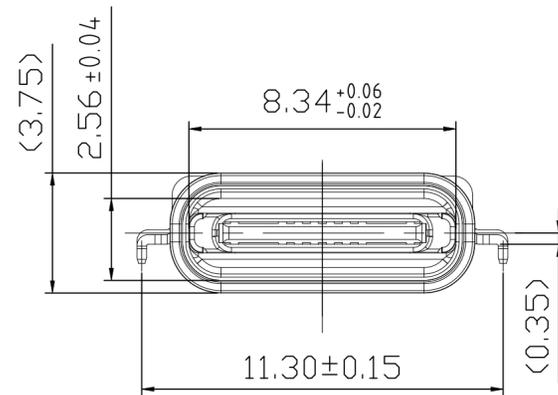
3D VIEW

NOTES:

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:5A
 - CONTACT RATED VOLTAGE:5V/20V DC;
 - CONTACT RESISTANCE;
INITIAL: 40mohm Max. AFTER:Δ<10mohm
 - INSULATION RESISTANCE:100Mohm Min;
 - WITHSTANDING STRENGTH:100V AC FOR 1 MINUTE;
- MECHANICAL CHARACTERISTICS;
 - INSERTION FORCE:INITIAL 6-20N ; AFTER 5-20N;
 - EXTRACTION FORCE:INITIAL 8-20N; AFTER 6-20N;
 - DURABILITY:10000 CYCLES
- RoHS OR HF COMPLIANT
- ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE:-40°C ~ +85°C.
- RECOMMENDED PROCESS:

THE PEAK TEMPERATURE ON THE BOARD SHALL MAINTAIN 10@1 SECONDS AT 260@5°C.
- Waterproof Level:IPX7

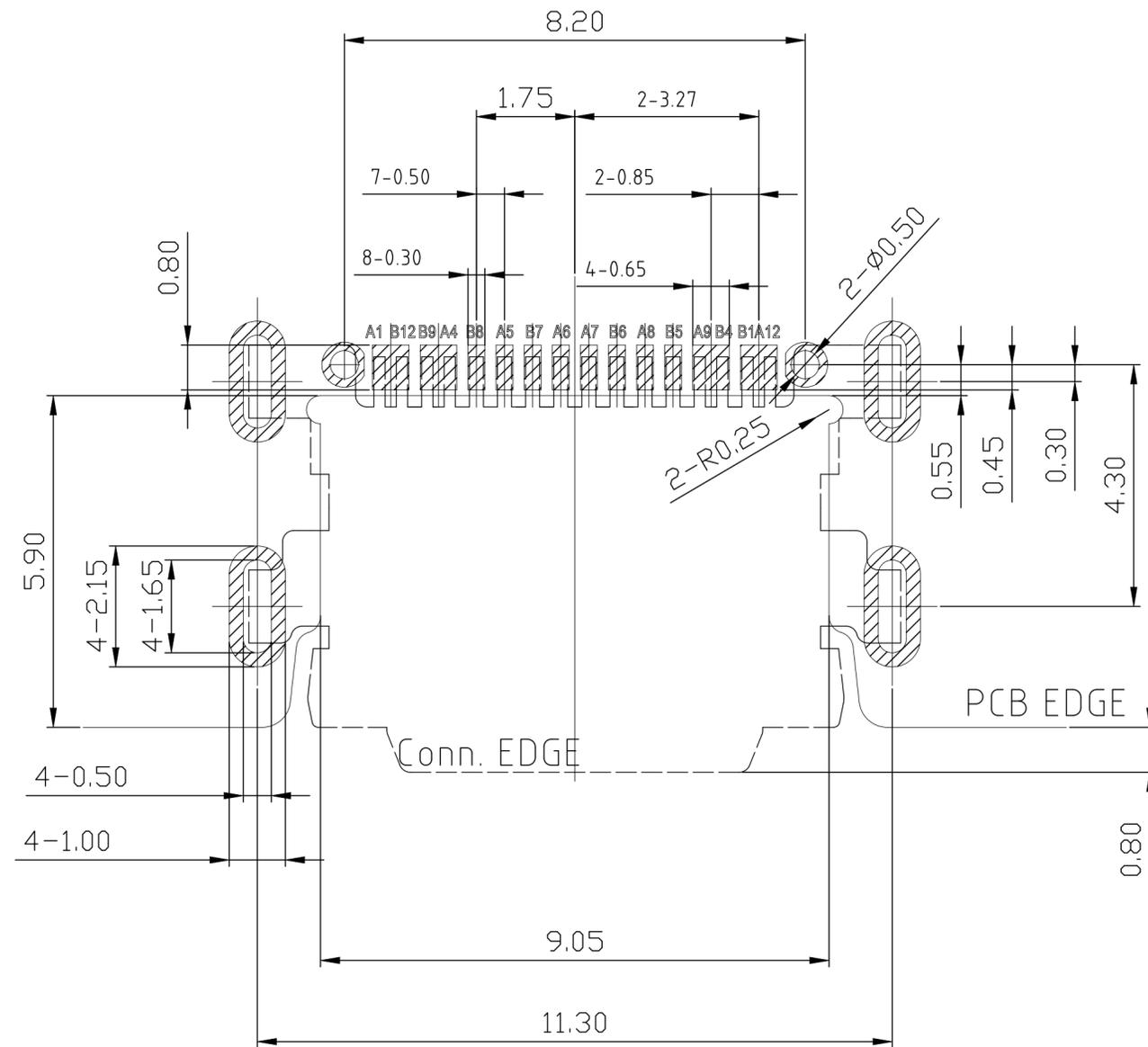


PIN No.	A1			A4	A5	A6	A7	A8	A9			A12
SIGNAL NAME	GND			VBus	CC1	D+	D-	SBU1	VBus			GND
PIN No.	B12			B9	B8	B7	B6	B5	B4			
SIGNAL NAME	GND			VBus	SBU2	D-	D+	CC2	VBus			GND

ITEM	NAME	Q'TY	MATERIAL	FINISH
H	LIM	1	Silicone Hardness 60A	UL94V-0, BLACK
G	GLUE	1	Silicone	UL94V-0
F	OUTER SHELL	1	Stainless Steel, SUS304 T=0.30	OVER ALL: 50u" Min Ni UNDERPLATED SOLDER TAIL: G/F Au PLATED
E	INNER SHELL	1	Stainless Steel, SUS316L T=0.20	CLEAN
D	SOLDER-PLATE	1	Stainless Steel, SUS304 T=0.15	CLEAN
C	HOUSING	1	PA9T	UL94V-0, Color: Black.
B	MID-PLATE	1	Stainless Steel, SUS301 T=0.20	OVER ALL: 50u" Ni UNDERPLATED
A	CONTACTS	16	Copper Alloy C18400 T=0.25mm	CONTACT AREA: Au 3u" Min SOLDER TAIL: G/F OVER ALL: 50u" Min Ni UNDERPLATED

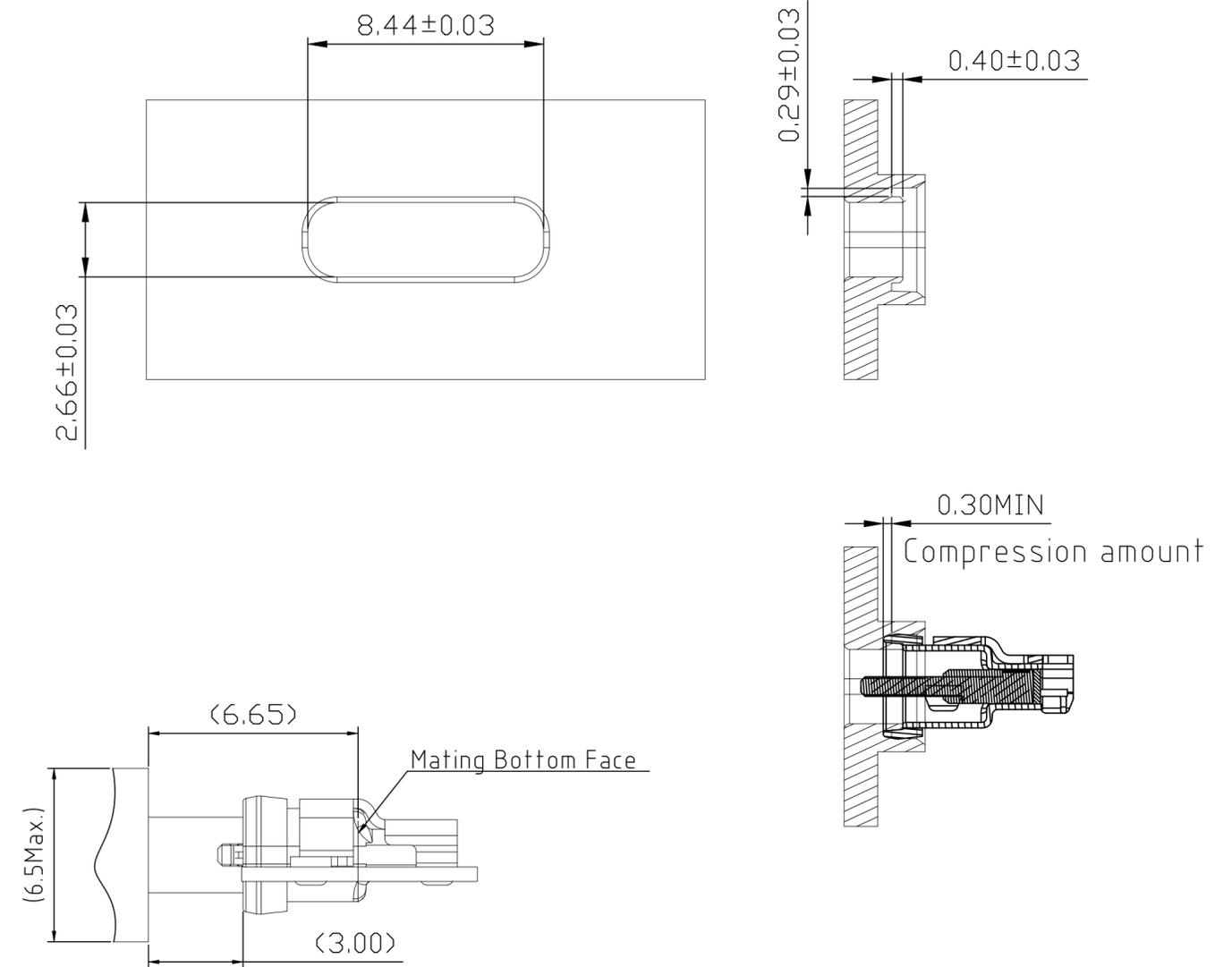
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	27NOV2024		TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK	NAIR, SREE KUMAR	28NOV2024		USB TYPE C RECEPTACLE 16P WATERPROOF		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAGHAVAN, CG	28NOV2024		-		
0 PLC ± -		PRODUCT SPEC		108-161696		RESTRICTED TO		
1 PLC ± 0.25		APPLICATION SPEC		114-161281	SIZE	CAGE CODE	DRAWING NO	
2 PLC ± 0.15		MATERIAL		-	A2	00779	C=2495704	
3 PLC ± 0.08		FINISH		-	SCALE	SHEET	REV	
4 PLC ± -		CUSTOMER DRAWING		-	1:1	1 of 2	1	
ANGLES ± 2°								

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



RECOMMENDED PCB LAYOUT
 TOLERANCE: ±0.05
 STENCIL THICKNESS: 0.12mm
 SCALE: 2:1

Recommended sealing method



Mated Condition(REF.)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 27NOV2024			
DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 28NOV2024			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE 16P WATERPROOF		
0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161696	SIZE A2	CAGE CODE 00779	DRAWING NO C=2495704
MATERIAL		FINISH	WEIGHT	RESTRICTED TO	
			CUSTOMER DRAWING	SCALE 1:1	SHEET 2 OF 2
				REV 1	