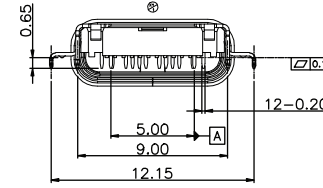
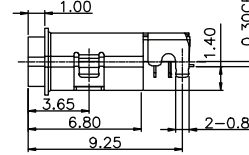
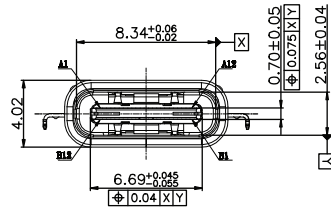
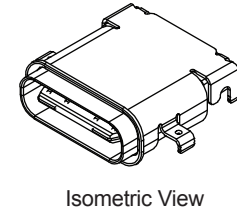
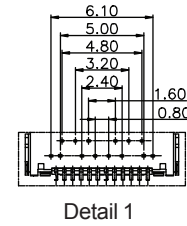
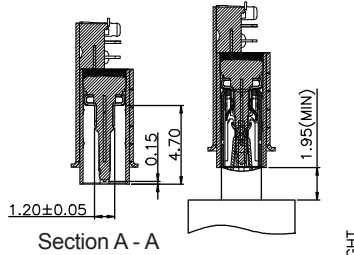
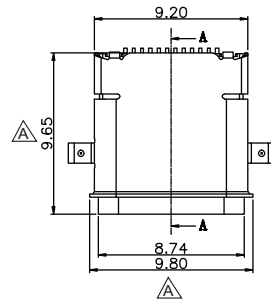


Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A3	SSTXp1	Second	B11	SSRXp1	Second
A4	SSTXn1	Second	B10	SSRXn1	Second
A5	VBUS	First	B9	VBUS	First
A6	CC1	Second	B8	SBU2	Second
A7	Dp1	Second	B7	Dn2	Second
A8	Dn1	Second	B6	Dp2	Second
A9	SBU1	Second	B5	CC2	Second
A10	VBUS	First	B4	VBUS	First
A11	SSRXn2	Second	B3	SSTXn2	Second
A12	SSTXp2	Second	B2	SSTXp2	Second
A13	GND	First	B1	GND	First
SHELL	GND	SHELL	GND	SHELL	GND



**WATERPROOF RATING**

IP-X7

**ELECTRICAL:**

CURRENT RATING:

5A (VBUS Pin 1.5A/Pin)

5A (GND Pin 1.25A/Pin Max) 0.25A/Pin (Other Ping)

CONTACT RESISTANCE:

< 40 milliohm Max.

INSULATION RESISTANCE:

> 100 Mgeaohm Min.

DIELECTRIC WITHSTANDING VOLTAGE:

100 VAC for 1 Minute

OPERATING TEMPERATURE: - 40° C ~ 80° C

**MATERIAL:**

INSULATOR: High Temperature Plastic, UL94V-0

CONTACTS: Copper Alloy

CONTACT PLATING:

Gold Plating over 50u" Nickel on Contact Area,

100u" Tin/ Plating over 50u" Nickel on Solder Area

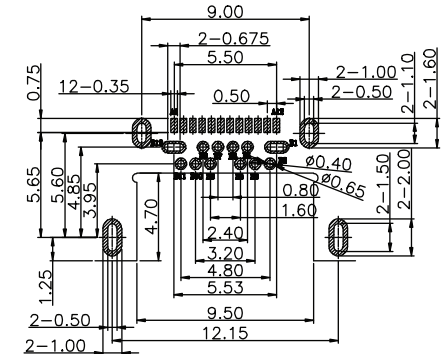
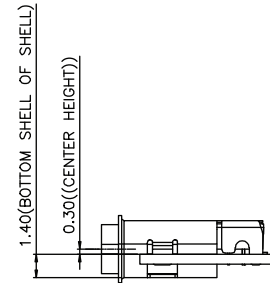
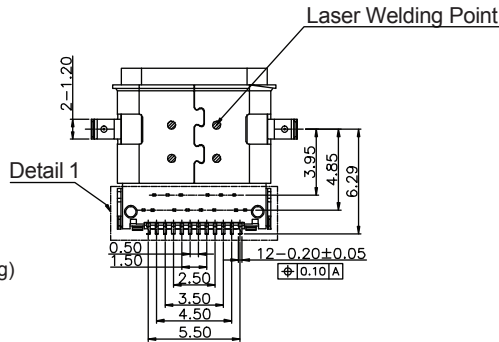
SHELL: Stainless Steel with 50u" Nickel Plating

**Mechanical:**

INSERTION FORCE: 5 ~ 20N Max.

WITHDRAWAL FORCE: 8 ~ 20N Kg

DURABILITY: 10,000 Cycles



**HOW TO ORDER:**

**U 0 4 5 - 0 4 1 5 - 4 0 X X - Z**

**Insulator Color**

0 - Black

**BODY STYLE**

4 - Female Right Angle  
Waterproof

**# OF POSITIONS**

04 - 24 Position  
Straddle PCB

**MOUNTING STYLE**

15 - Right Angle, Combo  
SMT & SMT Mid  
Mount, 9.74mm(W) x10.65mm (L)  
2.00mm Offset

**CONTACT AREA PLATING**

0 - 4u" Au  
1 - 7u" Au  
2 - 10u" Au  
3 - 15u" Au  
4 - 30u" Au

**PACKAGING**

0 - Tray  
2 - Tape & Reel

**RoHS COMPLIANT**

Rev	Drawn	Checked	Approved	Date
0	B.S.	S.M.	S.M.	06/22/17
A	B.S.	S.M.	S.M.	08/09/18

**SMP TECHNOLOGY, INC.**

USB 3.1 Type C, Female, 24 Position, Mid Mount, Waterproof, IP-X7

SCALE :N/A

TOL. DEC. .X +/- 0.30

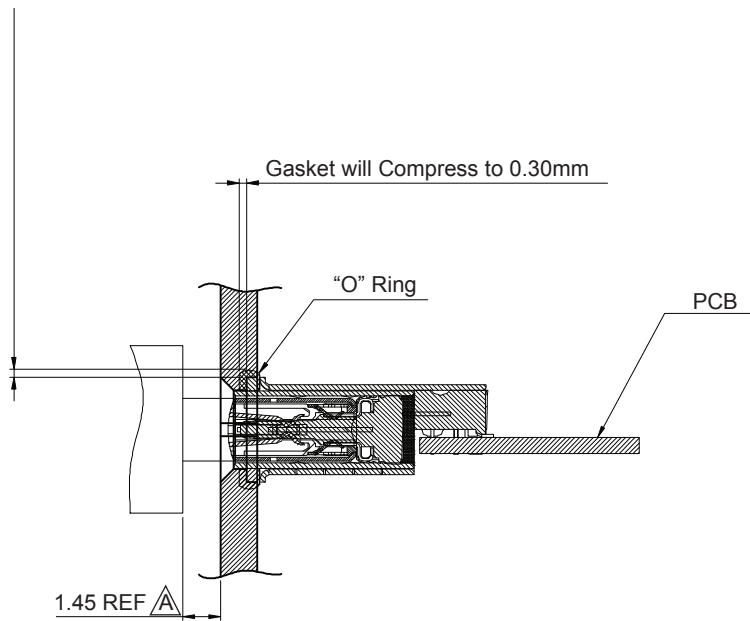
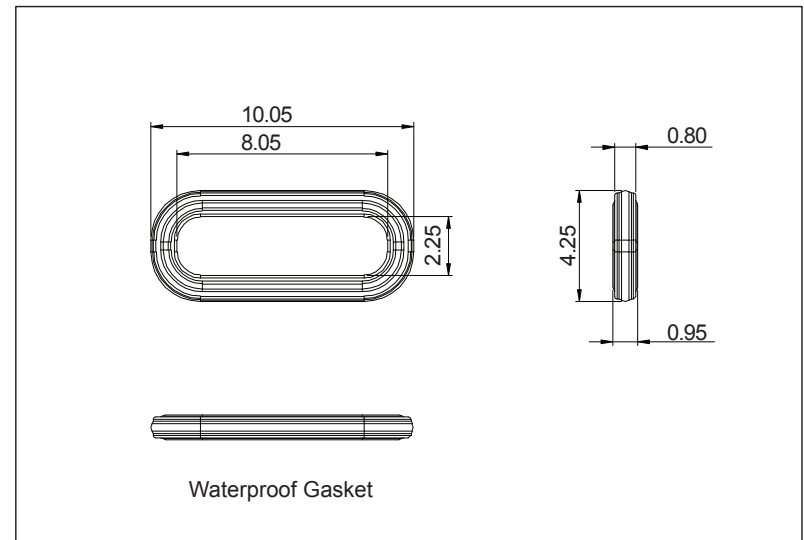
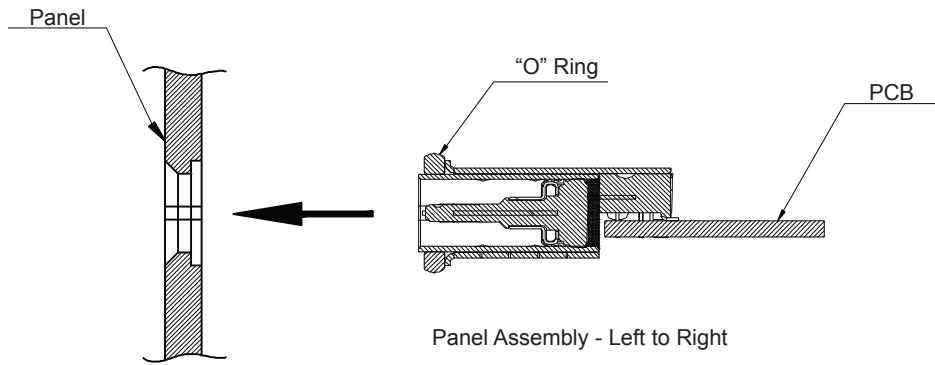
.XX +/- 0.20

.XXX +/- 0.10

UNIT: mm

SERIES: U045-0415-40XX-Z

Pg: 1 of 2



<b>SMP TECHNOLOGY, INC.</b>	
USB 3.1 Type C, Female, 24 Position, Mid Mount, Waterproof, IP-X7	
SERIES: U045-0415-40XX-Z	
Pg: 2 of 2	