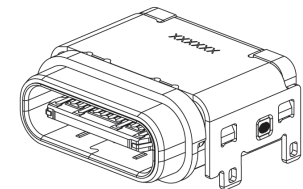
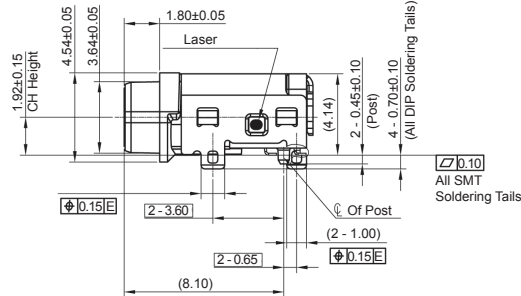
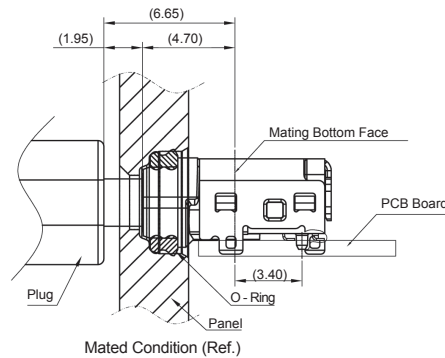
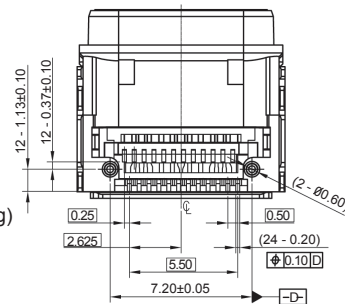
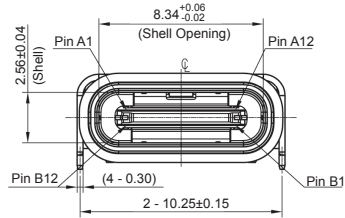
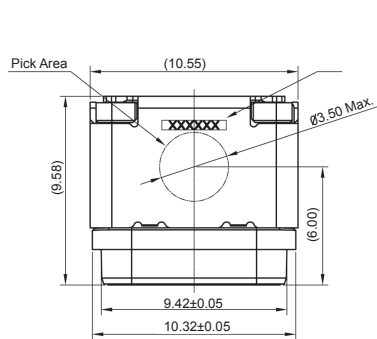
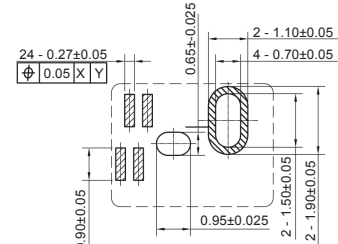


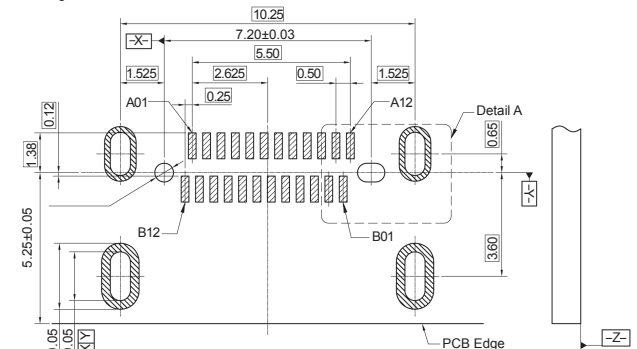
Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	VBUS	First	B9	VBUS	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	VBUS	First	B4	VBUS	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSTXp2	Second	B2	SSTXp2	Second
A12	GND		B1	GND	
SHELL	GND		SHELL	GND	



Isometric View



Detail A



Recommended PCB Layout

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.

DIELETRIC 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:

30u" Gold Plating on Contact Area,

1u" Min. Au Plating on Solder Area

SHELL: 50u"~ 150u" Nickel Under Plating Overall

Mechanical:

INSERTION FORCE: 5 ~ 20N Max.

WITHDRAWAL FORCE: 8 ~ 20N Kg

DURABILITY: 10,000 Cycles

HOW TO ORDER:

U 0 4 5 - 0 5 1 8 - 0 0 4 X - Z

BODY STYLE

4 - Female Right Angle
Waterproof

OF POSITIONS

05 - 24 Position SMT

MOUNTING STYLE

18 - Surface Mount: Top Mount,
Thru Hole Shell Legs,
10.25mm Between Shell Legs

CONTACT AREA PLATING

4 - 30u" Au

PACKAGING

0 - Tray
2 - Tape & Reel
3 - Tape & Reel + Cap
4 - Tape & Reel

RoHS COMPLIANT

Insulator Color

0 - Black

Rev		Drawn	Checked	Approved	Date
0	Issued	B.S.	S.M.	S.M.	08/12/18

SCALE :N/A

TOL. DEC. .X +/- 0.35

.XX +/- 0.25

.XXX +/-

UNIT: mm

SMP TECHNOLOGY, INC.

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

SERIES: U045-0518-004-Z

Pg: 1 of 2