

Customer Information Sheet

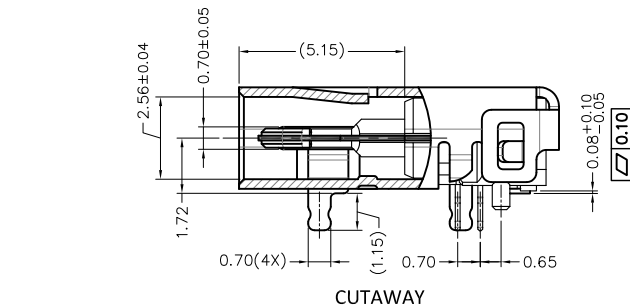
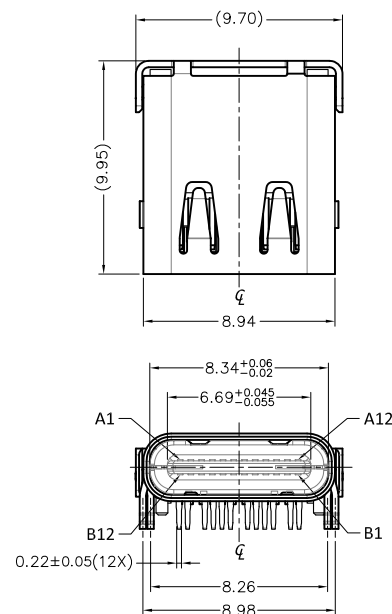
IF IN DOUBT - ASK



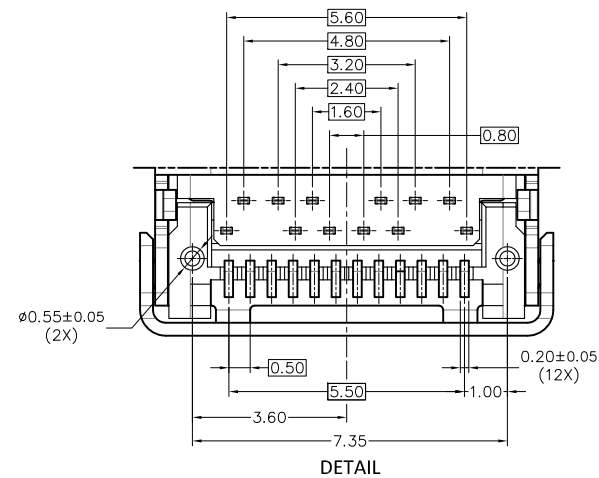
NOT TO SCALE

THIRD ANGLE PROJECTION

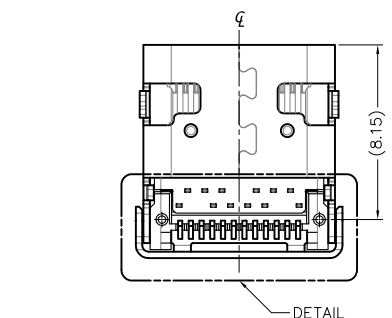
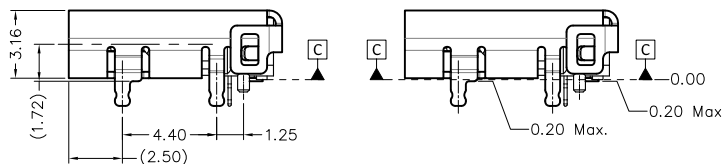
ALL DIMENSIONS IN mm



CUTAWAY

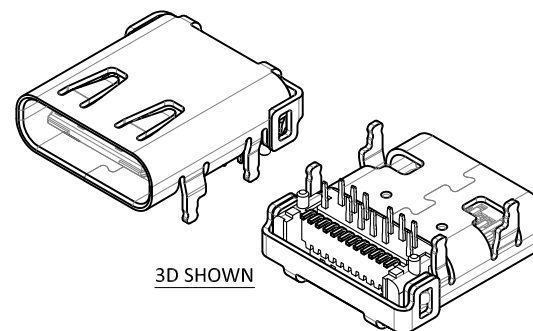


DETAIL



PIN ASSIGNMENTS

PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	RX1+
A3	TX1-	B10	RX1-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND



3D SHOWN

UNE	1	12JUN25	--
NAME	ISS.	DATE	CN/CO
APPROVED: WALKER / MEIZY			
CHECKED: THIRI			
DRAWN: UNE			

HARWIN

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TOLERANCES

X. = ±1mm
 X.X = ±0.50mm
 X.XX = ±0.20mm
 X.XXX = ±0.01mm
 ANGLES = ±5°
 UNLESS STATED

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MATERIAL & FINISH:

SEE ABOVE

TITLE:

USB 4.0 Type-C Receptacle
 Top Mount Hybrid Solder

DRAWING NUMBER:

MMUSBC-4024AF-SMHS-XXX

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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

NOTES:

1. MATERIAL

- 1.1 HOUSING: LCP, HIGH-TEMP, UL94V-0 BLACK
- 1.2 TERMINAL: COPPER ALLOY, T=0.15MM
- 1.3 MID-PLATE: STAINLESS STEEL, T=0.15MM
- 1.4 SHELL: STAINLESS STEEL, T=0.30MM

2. PLATING

- 2.1 TERMINAL: Au ON CONTACT AREA (SEE ORDER CODE)
Sn 100 μ " MIN. ON SOLDER AREA
Ni 80 μ " MIN. UNDERPLATED OVERALL
- 2.2 MID-PLATE: CLEANING
- 2.3 SHELL: Ni 80 μ " MIN.

3. ELECTRICAL REQUIREMENTS

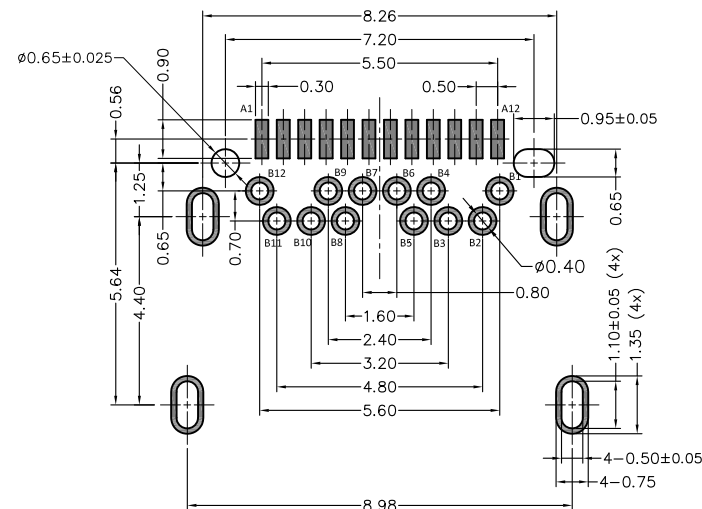
- 3.1 CURRENT RATING: 5A FOR TOTAL VBUS PIN
1.25A FOR VCONN PIN
0.25A FOR OTHERS PIN
- 3.2 CURRENT VOLTAGE: 30V
- 3.3 CONTACT RESISTANCE: 40m Ω MAX. (INITIAL)
50m Ω MAX. (AFTER TEST)
- 3.4 INSULATION RESISTANCE: 100M Ω MIN.
- 3.5 WITHSTANDING VOLTAGE: 100VAC

4. MECHANICAL REQUIREMENTS

- 4.1 MATING FORCE: 5N~20N
- 4.2 UNMATING FORCE: 8N~20N (INITIAL)
6N~20N (AFTER TEST)
- 4.3 DURABILITY: 10,000 CYCLES

5. OTHERS

OPERATING TEMPERATURE: -40 $^{\circ}$ ~+85 $^{\circ}$



RECOMMENDED PCB LAYOUT (TOP VIEW)
THICKNESS 1.0mm DEFULT TOLERANCE ± 0.05 mm

ORDERING CODE

MMUSBC-4024AF-SMHS-XXX

CONTACT PLATING

- G01: Gold 1 μ " Min.
- G05: Gold 5 μ "
- G30: Gold 30 μ "

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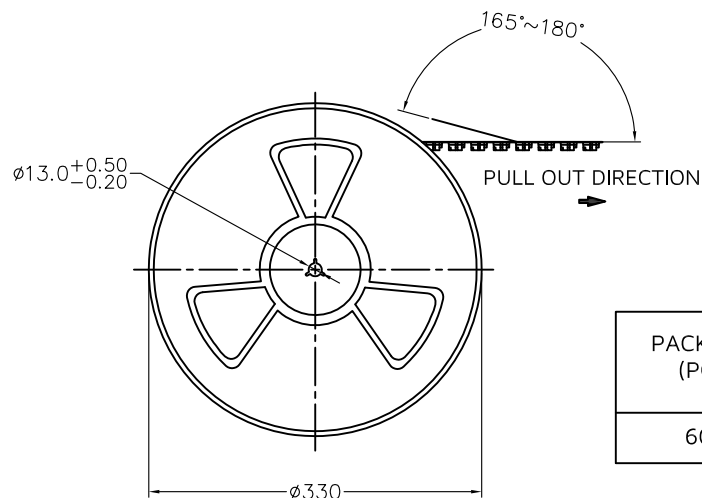
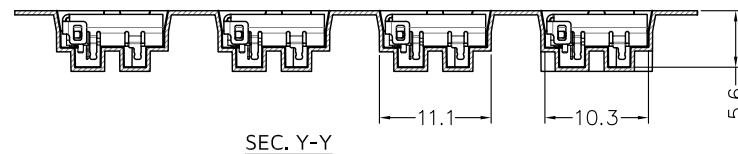
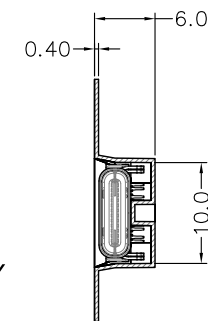
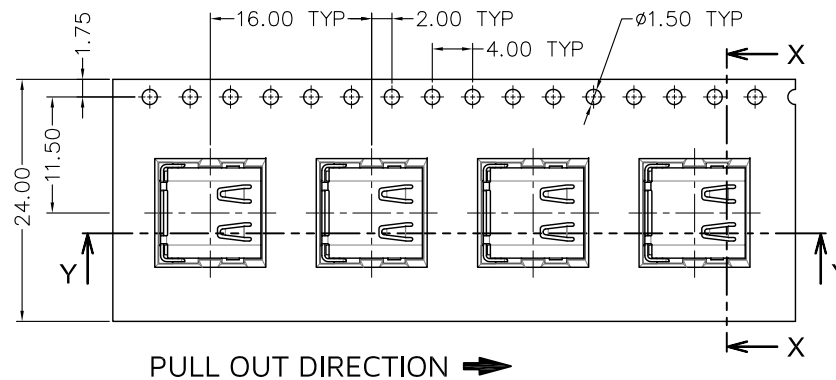
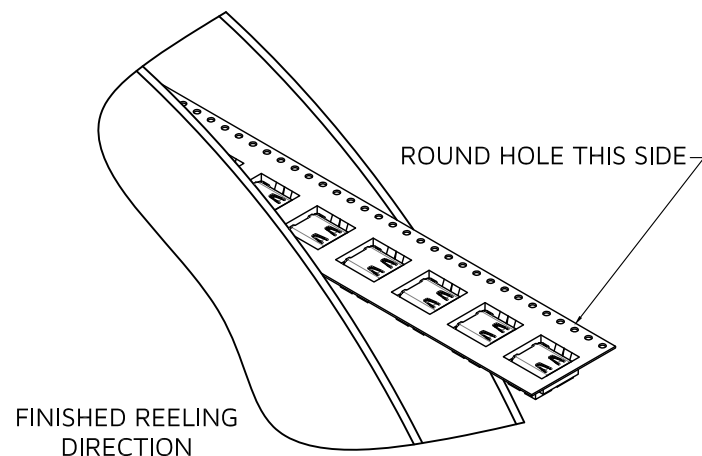
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PACK QTY (PCS)
600

NOTES:
PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).

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