

Customer Information Sheet

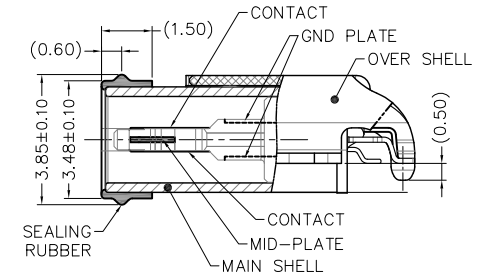
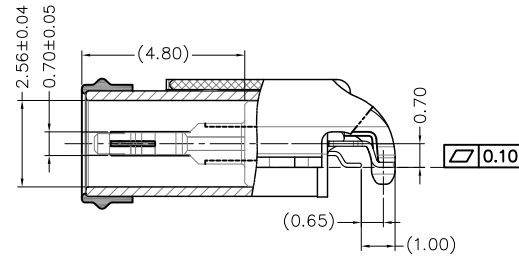
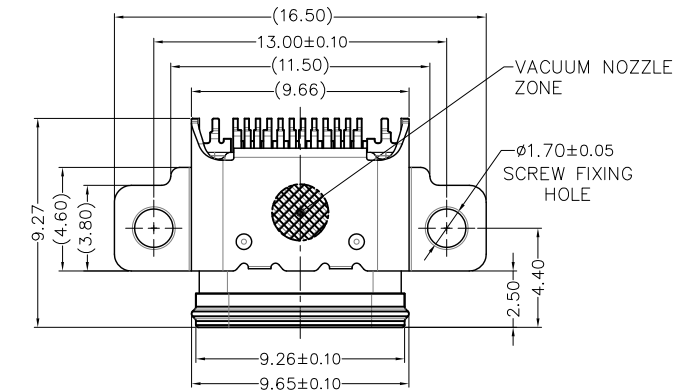
IF IN DOUBT - ASK



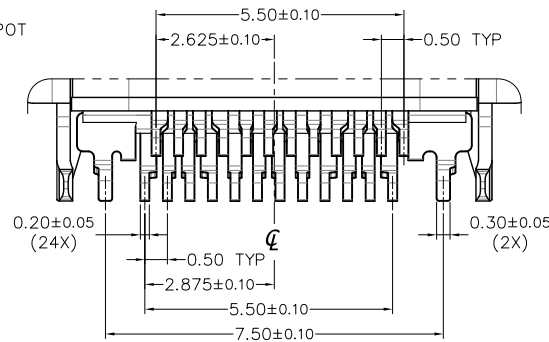
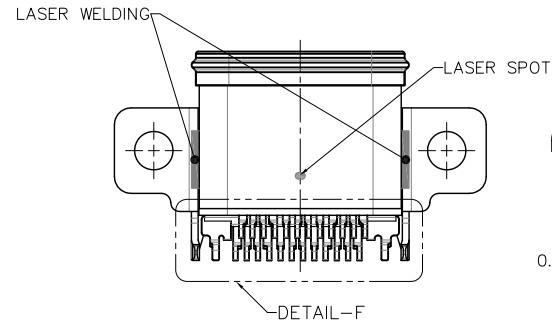
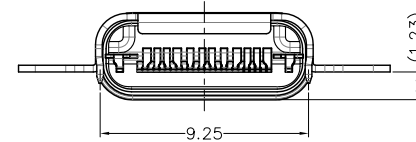
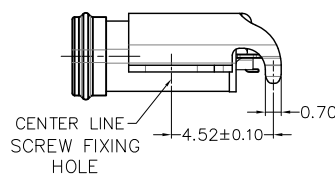
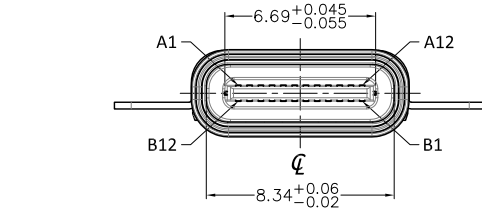
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



CUTAWAY



DETAIL-F

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

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

HARWIN

www.harwin.com

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 Type C Waterproof Female
MID-Mount SMT Solder

DRAWING NUMBER:

MMUSBC-3224BF-MMWPO2-XXX

SHT
1
OF
4

Customer Information Sheet

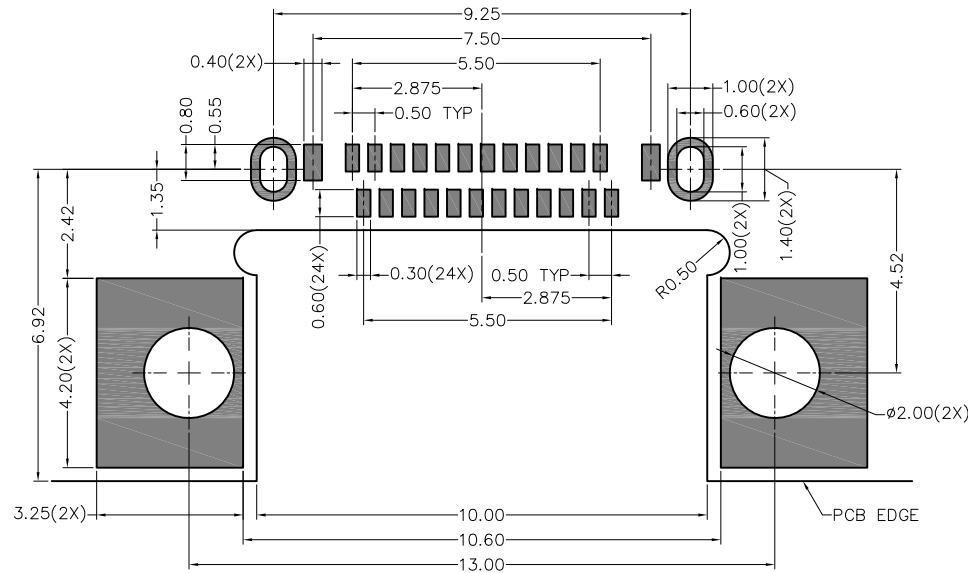
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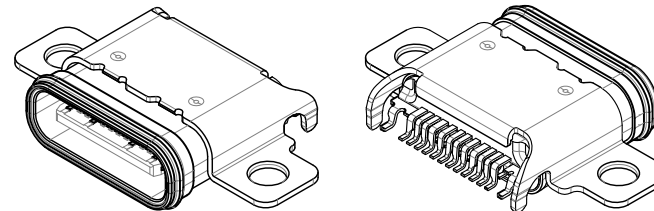
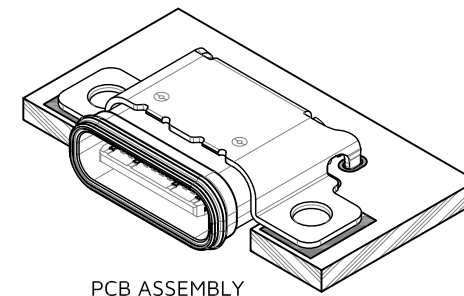
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT (TOP VIEW)
DEFAULT TOLERANCE ±0.05mm



3D SHOWN

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USB Type C Waterproof Female
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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 CONTACT: COPPER ALLOY (T=0.12MM)
- 1.3 MID PLATE: STAINLESS STEEL (T=0.15MM)
- 1.4 GND PLATE: STAINLESS STEEL (T=0.10MM)
- 1.5 MAIN SHELL: STAINLESS STEEL (T=0.30MM)
- 1.6 COVER SHELL: STAINLESS STEEL (T=0.30MM)
- 1.7 RUBBER: SI, COLOR: BLACK

2. PLATING

- 2.1 TERMINAL: Au ON CONTACT AREA (SEE ORDER CODE)
Au 1μ" MIN. ON SOLDER TAIL
Ni 50μ" MIN. UNDERPLATED OVERALL
- 2.2 MID PLATE: Ni 50μ" MIN. / Au 1μ" MIN. ON SOLDER TAIL
- 2.3 GND PLATE: CLEANING
- 2.4 MAIN SHELL: CLEANING
- 2.5 COVER SHELL: Ni 50μ" MIN.

3. ELECTRICAL REQUIREMENTS

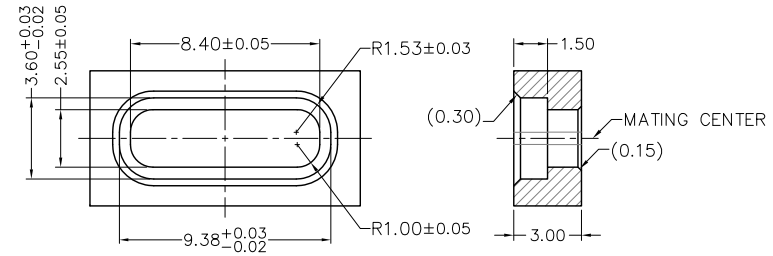
- 3.1 CURRENT RATING: 5A FOR TOTAL VBUS PIN
1.25A FOR VCONN PIN
0.25A FOR OTHERS PIN
- 3.2 CURRENT VOLTAGE: 30V
- 3.3 CONTACT RESISTANCE: 40mΩ MAX. (INITIAL)
50mΩ MAX. (AFTER TEST)
- 3.4 INSULATION RESISTANCE: 100MΩ MIN.
- 3.5 WITHSTANDING VOLTAGE: 100VAC

4. MECHANICAL REQUIREMENTS

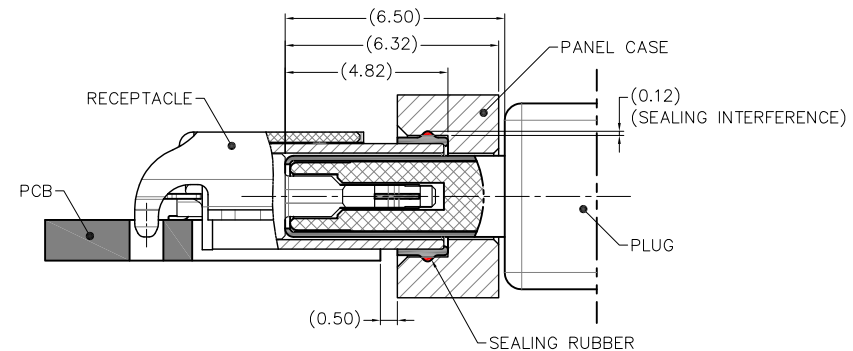
- 4.1 MATING FORCE: 5N~20N
- 4.2 UNMATING FORCE: 8N~20N (INITIAL)
6N~20N (AFTER TEST)
- 4.3 DURABILITY: 10,000 CYCLES

5. OTHERS

- 5.1 OPERATING TEMPERATURE: -40°~+85°
- 5.2 WATERPROOF GRADE: IPX8 (1.5M DEPTH / 30 MINUTES)



RECOMMENDED PANEL CASE HOLE



PANEL CASE INSTALLATION INFORMATION

ORDERING CODE

MMUSBC-3224BF-MMWPO2-XXX

CONTACT PLATING

F01: Gold 1μ " Min.
F05: Gold 5μ "
F30: Gold 30μ "

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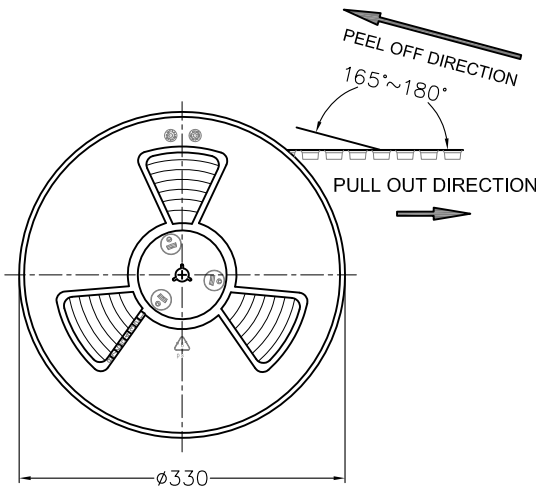
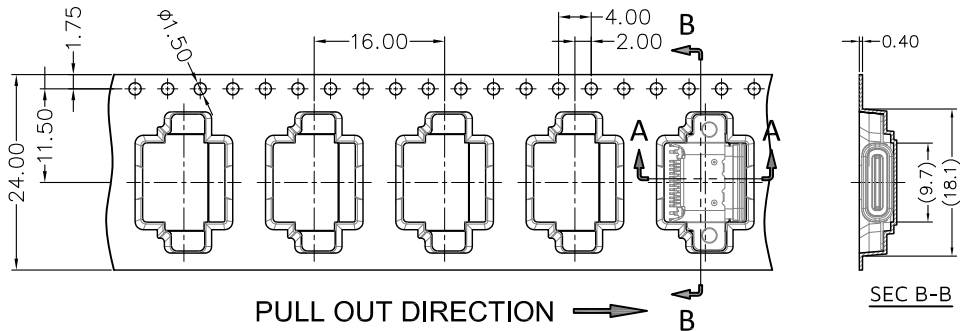
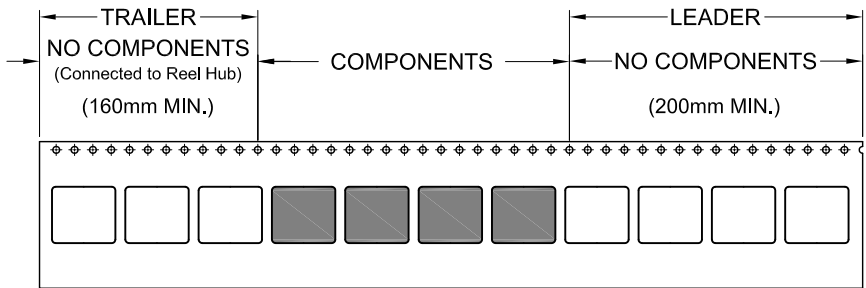
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTE:

1. DIMENSION:

CARTON: L=350, W=350, H=325

2. QUANTITY:

900 PCS / REEL

9,000 PCS / CARTON

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