

Customer Information Sheet

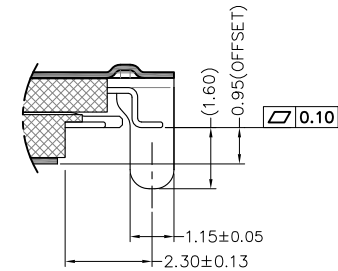
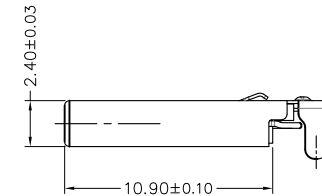
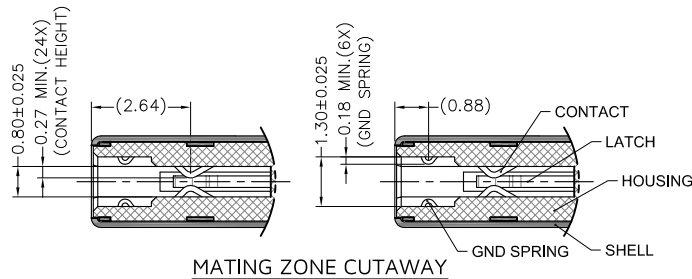
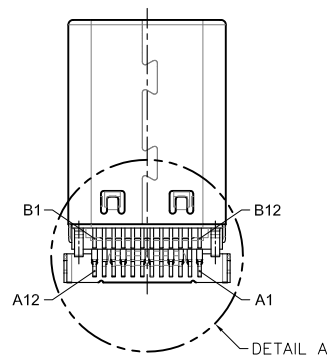
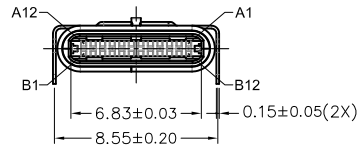
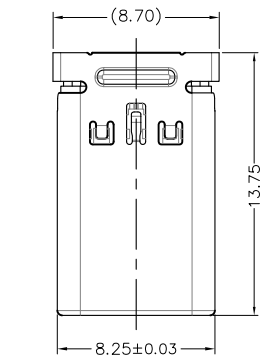
IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

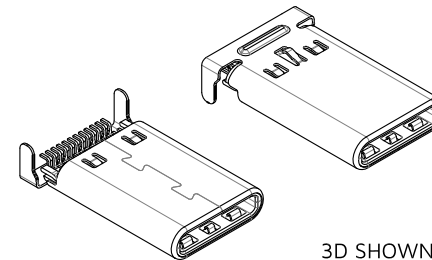
ALL DIMENSIONS IN mm



SOLDERING ZONE CUTAWAY

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	CC	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	VCONN
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

www.harwin.com

TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.20\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

ANGLES = $\pm 5^\circ$
UNLESS STATED

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MATERIAL & FINISH:

SEE ABOVE

TITLE:

USB 3.2 Type-C Plug Board Mount
Offset 0.95mm SMT Solder

DRAWING NUMBER:

MMUSBC-3224BM-BMHS-XXX

SHT
1
OF
3

Customer Information Sheet

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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

NOTES:

1. MATERIAL

- 1.1 HOUSING: LCP,HIGH-TEMP, UL94V-0 BLACK
- 1.2 TERMINAL: COPPER ALLOY
- 1.3 LATCH: STAINLESS STEEL
- 1.4 GND SPRING: STAINLESS STEEL
- 1.5 SHELL: STAINLESS STEEL

2.PLATING

- 2.1 TERMINAL: Au ON CONTACT AREA (SEE ORDER CODE)
Sn 60μ" MIN. ON SOLDER AREA
Ni 60μ" MIN. UNDERPLATED OVERALL
- 2.2 LATCH: Ni 20μ" MIN.
- 2.3 GND SPRING: CLEANING
- 2.4 SHELL: Ni 40μ" MIN.

3.ELECTRICAL REQUIREMENTS

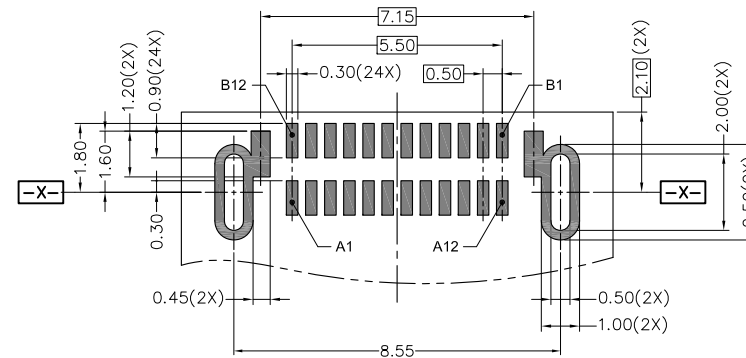
- 3.1 CURRENT RATING: 5A FOR TOTAL VBUS PIN
1.25A FOR VCONN PIN
0.25A FOR OTHERS PIN
- 3.2 CURRENT VOLTAGE: 30V
- 3.3 CONTACT RESISTANCE: 40mΩ MAX. (INITIAL)
50mΩ MAX. (AFTER TEST)
- 3.4 INSULATION RESISTANCE: 100MΩ MIN.
- 3.5 WITHSTANDING VOLTAGE: 100VAC

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

OPERATING TEMPERATURE: -40°~+85°



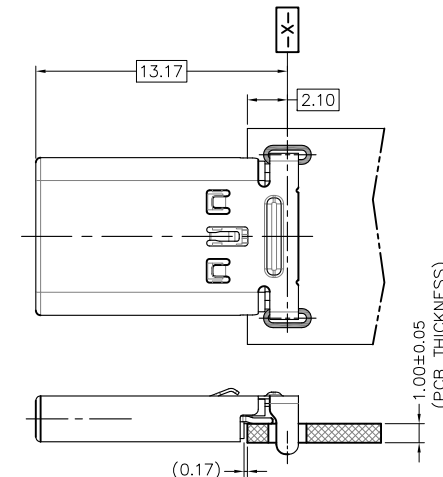
RECOMMENDED PCB LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

ORDERING CODE

MMUSBC-3224BM-BMHS-XXX

CONTACT PLATING

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



PCB ASSEMBLY INFORMATION

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

HARWIN

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X.X = ±0.50mm
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X.XXX = ±0.01mm

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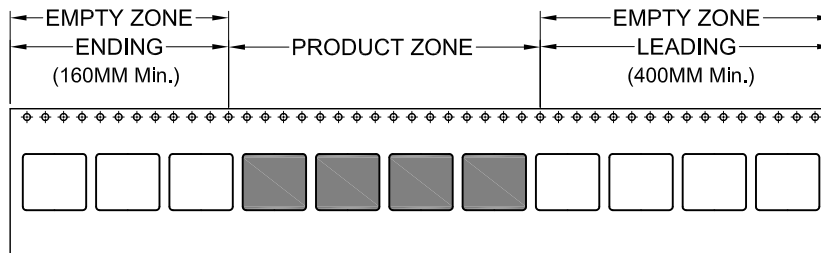
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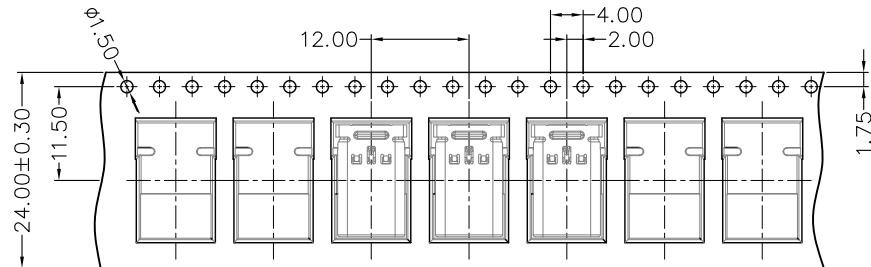
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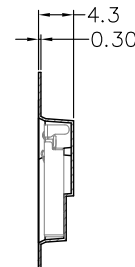
ALL DIMENSIONS IN mm



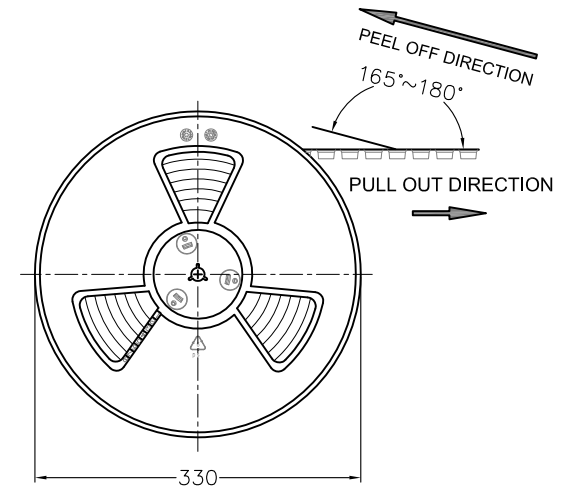
PULL OUT DIRECTION →



PULL OUT DIRECTION →



Cutaway



NOTE:

1. DIMENSION:

CARTON: L=345, W=345, H=260

2. QUANTITY:

1,100 PCS / REEL

8,800 PCS / CARTON

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NAME	ISS.	DATE	CN/CO
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