

Customer Information Sheet

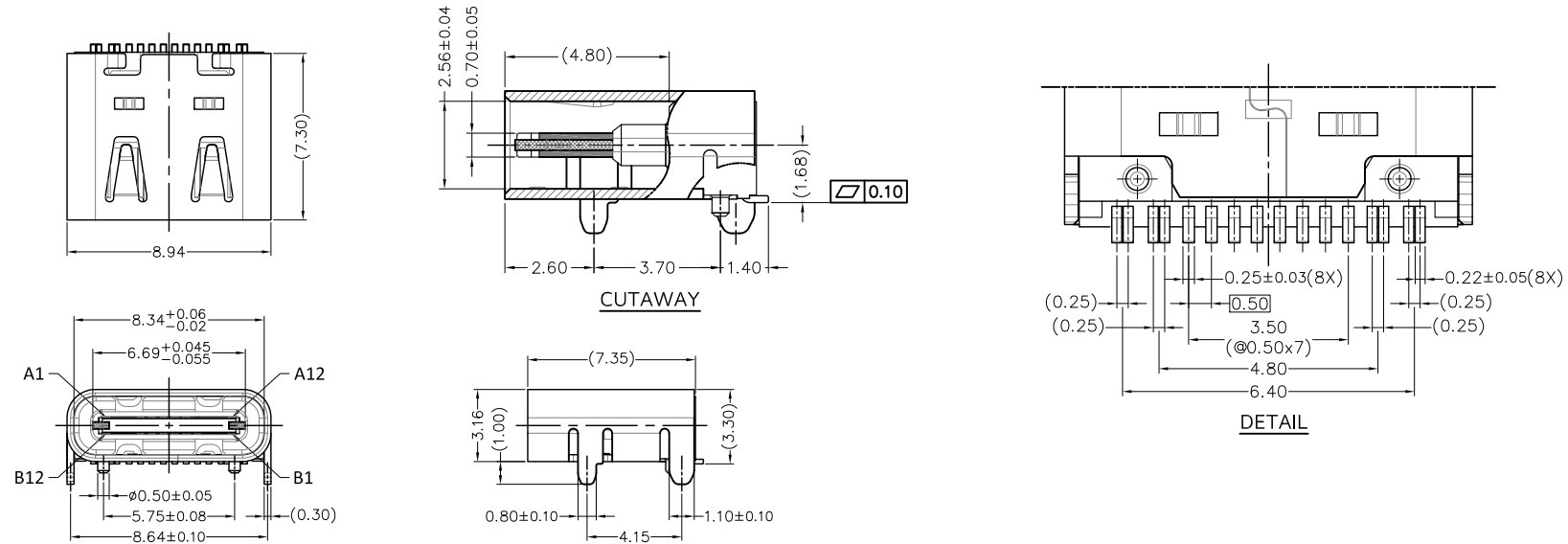
IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PIN ASSIGNMENTS

PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A2		B11	
A3		B10	
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		B3	
A11		B2	
A12	GND	B1	GND

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

HARWIN

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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 2.0 Type-C Receptacle
Top Mount SMT Solder

DRAWING NUMBER:

MMUSBC-2016BF-SMHP-XXX

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NOTES:

1. MATERIAL

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

2. PLATING

- 2.1 TERMINAL: Au ON CONTACT AREA (SEE ORDER INFORMATION)
Sn 80μ" MIN. ON SOLDER AREA
Ni 30μ" MIN. UNDERPLATED OVERALL
- 2.2 MID-PLATE: CLEANING
- 2.3 SHELL: Ni 30μ" MIN.

3. ELECTRICAL REQUIREMENTS

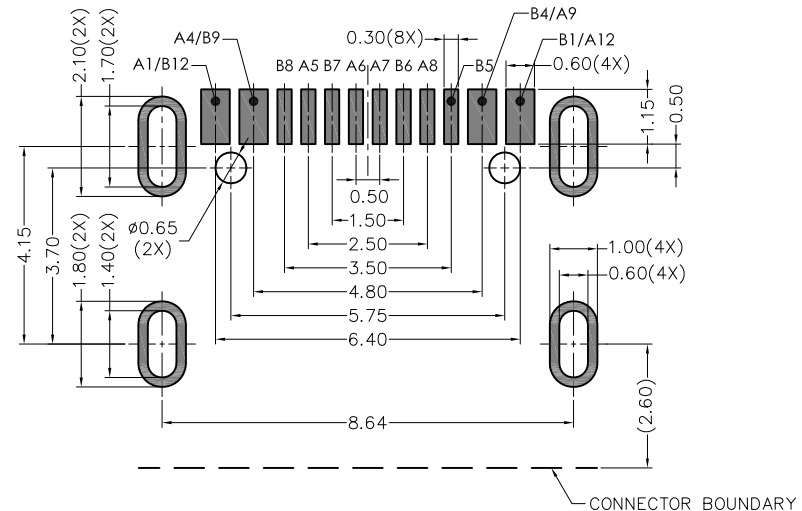
- 3.1 CURRENT RATING: 5A FOR TOTAL VBUS PIN
1.25A FOR VCONN PIN
0.25A FOR OTHERS PIN
- 3.2 CURRENT VOLTAGE: 30V
- 3.3 CONTACT RESISTANCE: 40mΩ MAX. (INITIAL)
50mΩ MAX. (AFTER TEST)
- 3.4 INSULATION RESISTANCE: 100MΩ MIN.
- 3.5 WITHSTANDING VOLTAGE: 100VAC

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 (TOP VIEW)
DEFAULT TOLERANCE ±0.05mm

3

ORDERING CODE

MMUSBC-2016BF-SMHP-XXX

CONTACT PLATING

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

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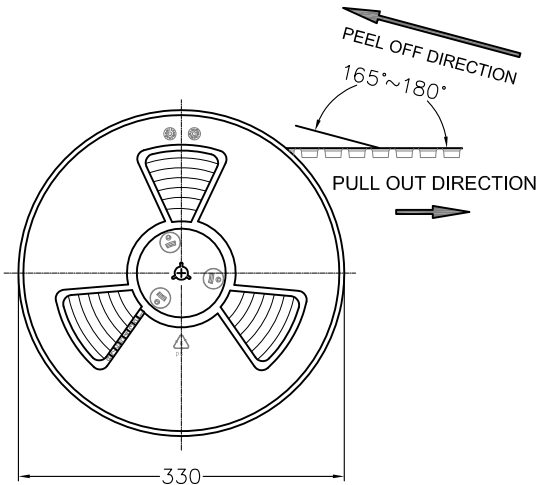
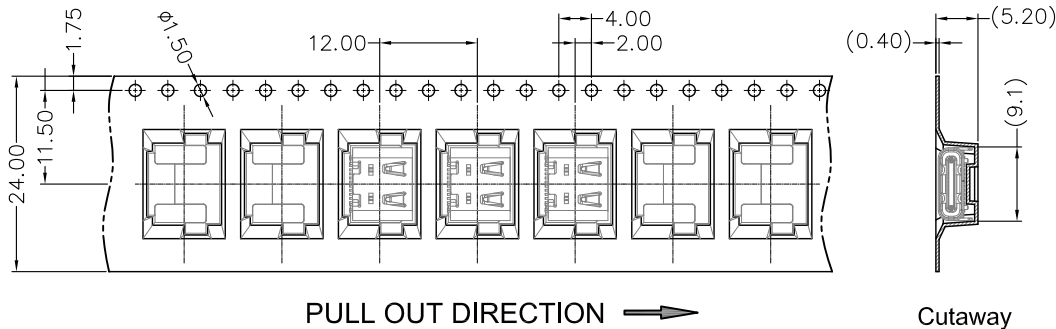
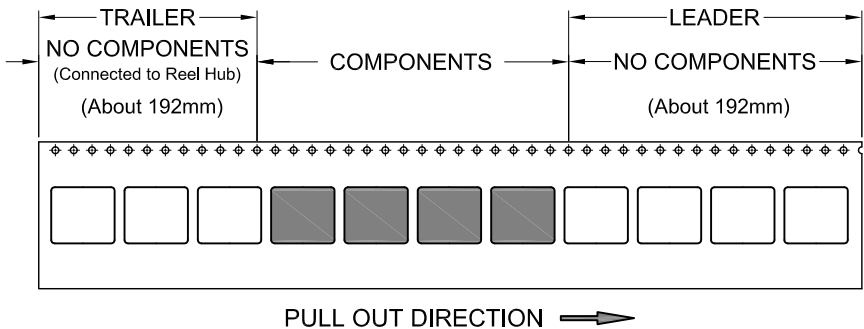
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NOTE:

1. DIMENSION:

CARTON: L=350, W=350, H=300

2. QUANTITY:

1,000 PCS / REEL

10,000 PCS / CARTON

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