

Customer Information Sheet

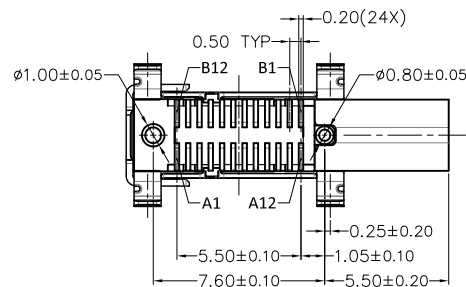
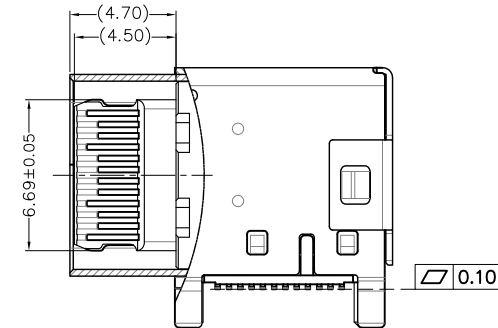
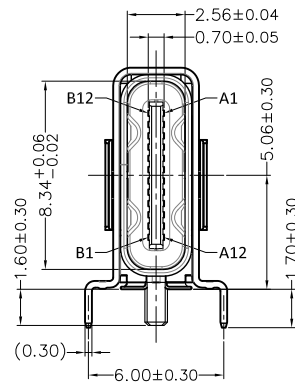
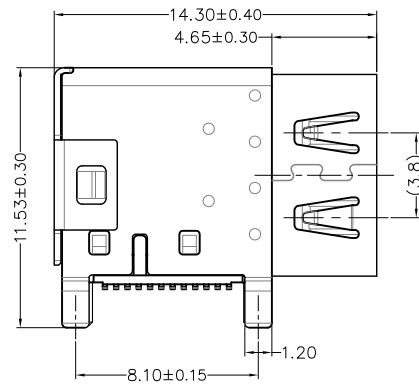
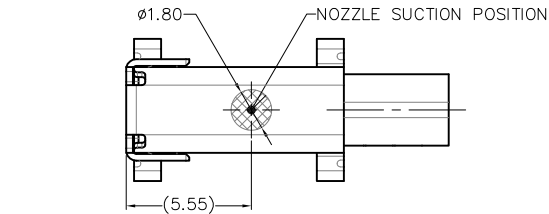
IF IN DOUBT - ASK



NOT TO SCALE

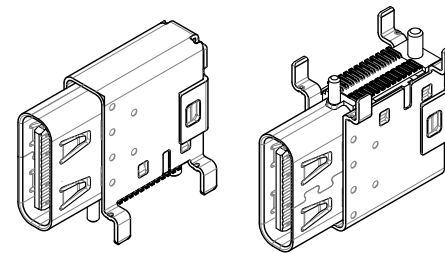
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



@ PIN ASSIGNMENTS

PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A2	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

www.harwin.com

TOLERANCES

X. = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.20 mm
X.XXX = ± 0.01 mm

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

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

MATERIAL & FINISH:

SEE ABOVE

TITLE:

USB Type C Receptacle
Side Entry Upright SMT Solder

DRAWING NUMBER:

MMUSBC-3224BF-UPHS-XXX

SHT
1
OF
3

Customer Information Sheet

IF IN DOUBT - ASK



NOT TO SCALE

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 MAIN SHELL: STAINLESS STEEL (T=0.30MM)
- 1.5 COVER SHELL: STAINLESS STEEL (T=0.30MM)

2. PLATING

- 2.1 TERMINAL: Au ON CONTACT AREA (SEE ORDER CODE)
GOLDFLASH ON SOLDERTAIL
Ni 50 μ " MIN. UNDERPLATED OVERALL
- 2.2 MID PLATE: Ni 30 μ " MIN.
- 2.3 MAIN SHELL: Ni 30 μ " MIN.
- 2.4 COVER SHELL: Ni 30 μ " MIN.

3. ELECTRICAL REQUIREMENTS

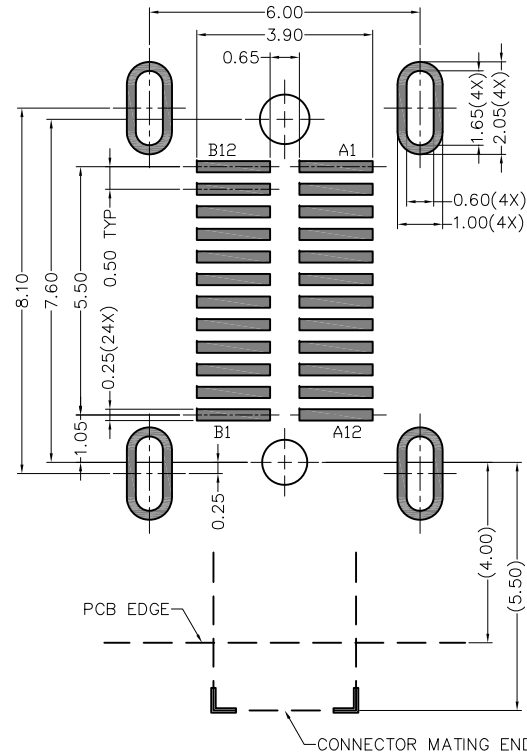
- 3.1 CURRENT RATING: 5A FOR TOTAL VBUS PIN
1.25A FOR VCONN PIN
0.25A FOR OTHERS PIN
- 3.2 CURRENT VOLTAGE: 30V
- 3.3 CONTACT RESISTANCE: 40m Ω MAX. (INITIAL)
50m Ω MAX. (AFTER TEST)
- 3.4 INSULATION RESISTANCE: 100M Ω MIN.
- 3.5 WITHSTANDING VOLTAGE: 100VAC

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

- 5.1 OPERATING TEMPERATURE: -40°~+85°



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

ORDERING CODE

MMUSBC-3224BF-UPHS-XXX

CONTACT PLATING

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

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

HARWIN

www.harwin.com

TOLERANCES

X. = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.20 mm
X.XXX = ± 0.01 mm

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

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

MATERIAL & FINISH:

SEE ABOVE

TITLE:

USB Type C Receptacle
Side Entry Upright SMT Solder

DRAWING NUMBER:

MMUSBC-3224BF-UPHS-XXX

SHT
2
OF
3

Customer Information Sheet

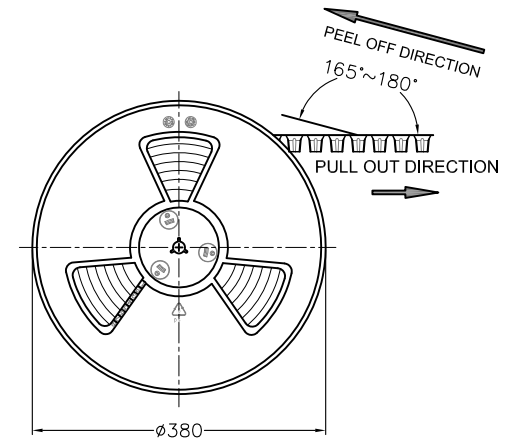
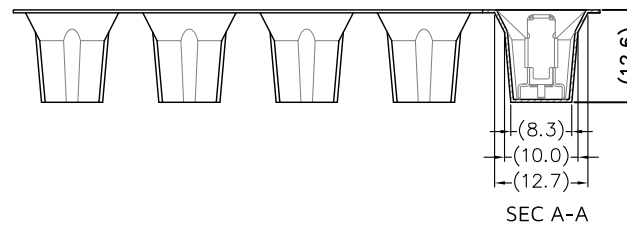
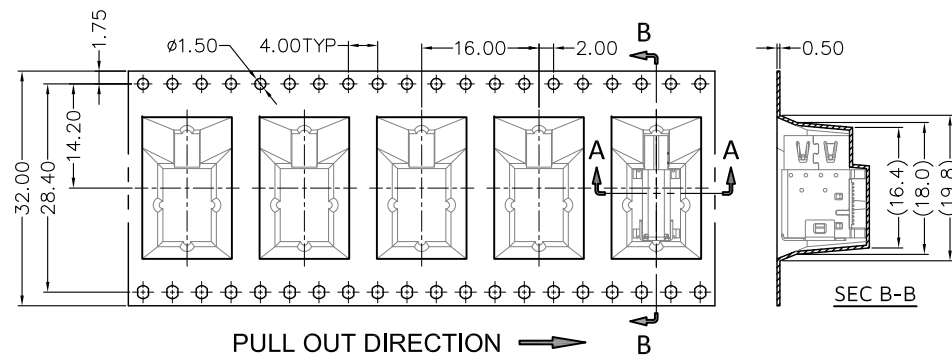
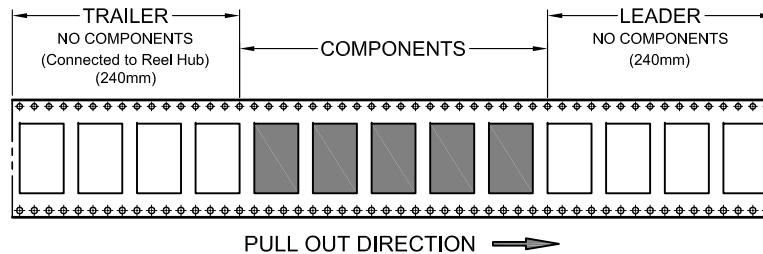
IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTE:

1. DIMENSION
CARTON: L=400, W=400, H=325
2. QUANTITY
450 PCS / REEL
3,600 PCS / CARTON

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

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

MATERIAL & FINISH:

SEE ABOVE

TITLE:

USB Type C Receptacle
Side Entry Upright SMT Solder

DRAWING NUMBER:

MMUSBC-3224BF-UPHS-XXX

SHT
3
OF
3