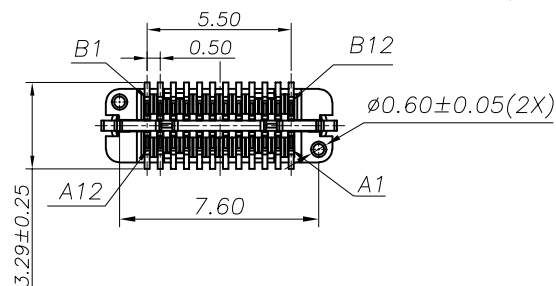
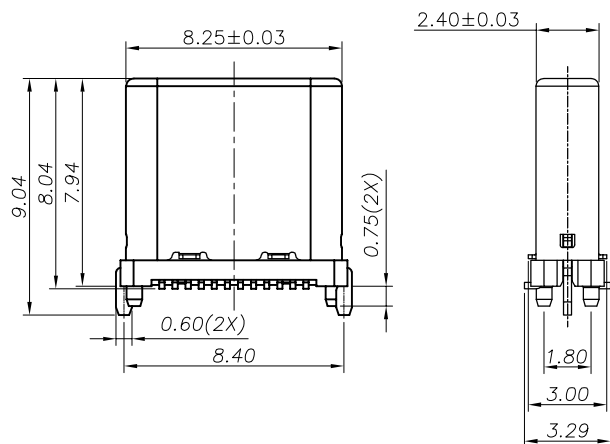
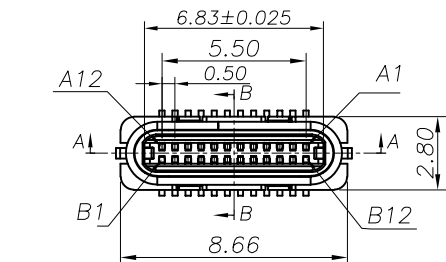


RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN



NOTE:

- 1.MATERIAL SPECIFICATION:
 - 1.HOUSING&PICKUP COVER:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
 - 2.CONTACTS: COPPER ALLOY
 - 3.LATCH: STAINLESS STEEL
 - 4.FRONT SHELL: STAINLESS STEEL
- 2.PLATING SPECIFICATION:
 - 2-1.CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2.LATCH:
Ni 30u" MIN. UNDER PLATED OVER ALL.
 - 2-3.SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.
- 3.MECHANICAL PERFORMANCE,
 - 3-1.INSERTION FORCE: 0.5~2.0kgf.
 - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3.DURABILITY: 10000 CYCLES.
- 4.ELECTRICAL PERFORMANCE,
 - 4-1. CURRENT RATING:3.0A
VOLTAGE RATING:12.0V
 - 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - 4-3.INSULATION RESISTANCE: 100MΩ MIN
 - 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
- 6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

PART NO. INFORMATION

U06-C M X X 5 R - 052 - V2

PORT TYPE C: TYPE C	PACKAGE R: TAPE&REEL	HOUSING COLOR 2: WHITE 5: BLACK
GENDER F: FEMALE M: MALE	CONTACT PLATED 1: GOLD FLASH 2: GOLD 3U" 3: GOLD 5U" 4: GOLD 10U" 5: GOLD 15U" 6: GOLD 30U"	HOUSING MATERIAL A: LCP B: PBT C: PA9T D: PA6T E: PA46 F: PA66

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	± 0.30	X."	± 10"
.XX	± 0.20	.X"	± 8"
.XXX	± 0.10	.XX"	± 5"

Website:www.bsc-elec.com

Email:bestcreate@bsc-elec.com

DESIGN:
I. L

DATE:
2025. 04. 28

CHECKED:
C. W

DATE:
2025. 04. 28

APPROVED:
C. W

DATE:
2025. 04. 28

TITLE:

24P USB TYPE C MALE CONNECTOR VERTICAL SMT, H=8.04MM

MATERILA:

PART NO:
U06-CMXX5R-052-V2

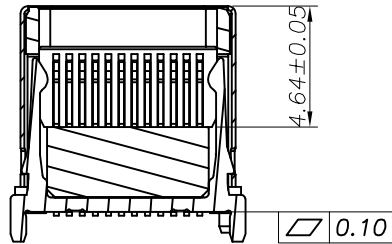
SIZE:
A4

FINSH:

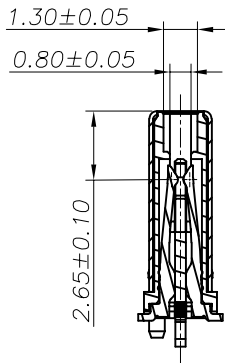
DWG NO:
U06-CMXX5R-052-V2

1 OF 3

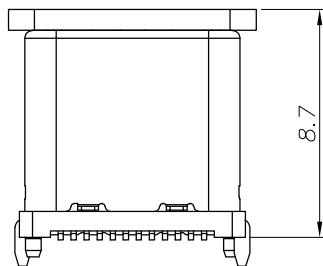
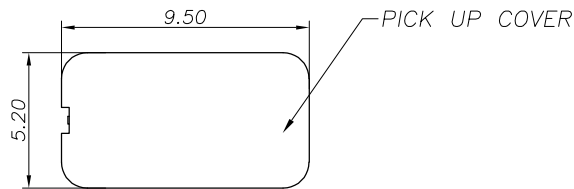
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SECTION:A-A



SECTION:B-B

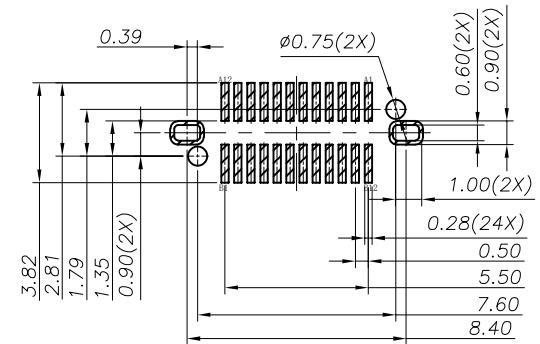


AFTER WITH PICKUP COVER

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)

DEFAULT TOLERANCE:±0.05

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	±	0.30	X"	±	10"
.XX	±	0.20	.X"	±	8"
.XXX	±	0.10	.XX"	±	5"

Website:www.bsc-elec.com
Email:bestcreate@bsc-elec.com

DESIGN: I. L
DATE: 2025. 04. 28

CHECKED: C. W
DATE: 2025. 04. 28

APPROVED: C. W
DATE: 2025. 04. 28

TITLE:
24P USB TYPE C MALE CONNECTOR VERTICAL SMT,H=8.04MM

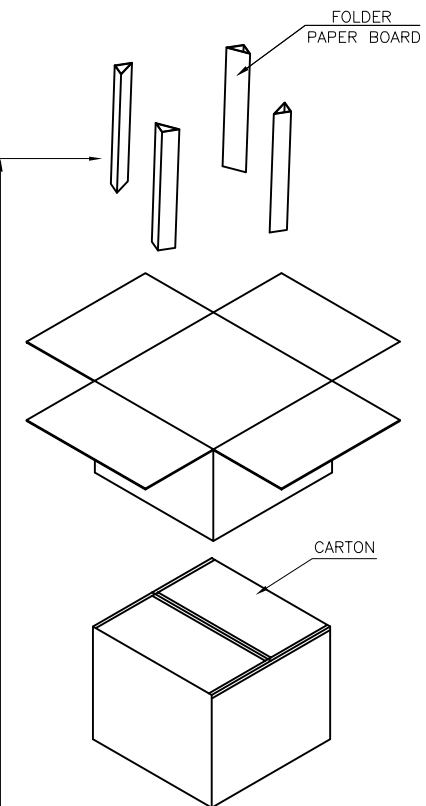
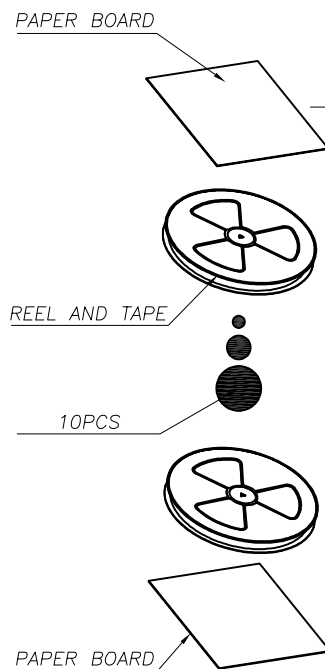
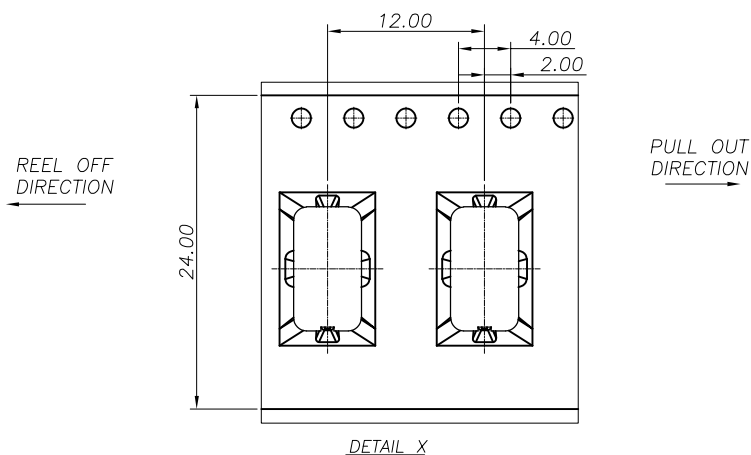
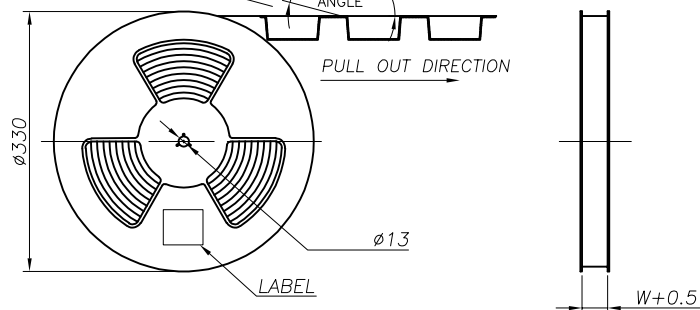
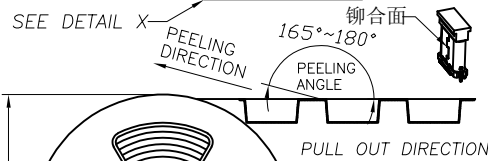
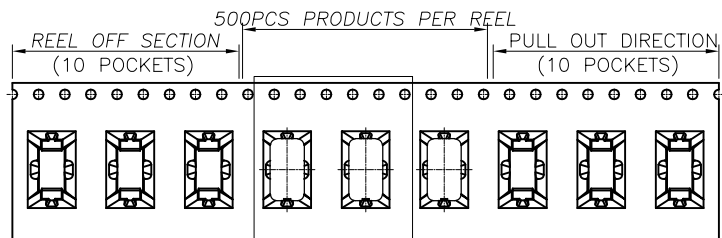
MATERILA:	PART NO: U06-CMXX5R-052-V2	SIZE: A4
FINSH:	DWG NO: U06-CMXX5R-052-V2	2 OF 3

REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS
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REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



	REEL/TRAY	CARTON
CONNECTOR (PCS)	500	5000

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	± 0.30	X.*	± 10°
.XX	± 0.20	.X*	± 8°
.XXX	± 0.10	.XX*	± 5°

Website:www.bsc-elec.com

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DESIGN: I. L

DATE: 2025. 04. 28

CHECKED: C. W

DATE: 2025. 04. 28

APPROVED: C. W

DATE: 2025. 04. 28

TITLE: 24P USB TYPE C MALE CONNECTOR VERTICAL SMT, H=8.04MM

MATERILA:	PART NO: U06-CMXX5R-052-V2	SIZE: A4
FINSH:	DWG NO: U06-CMXX5R-052-V2	3 OF 3

REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS
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