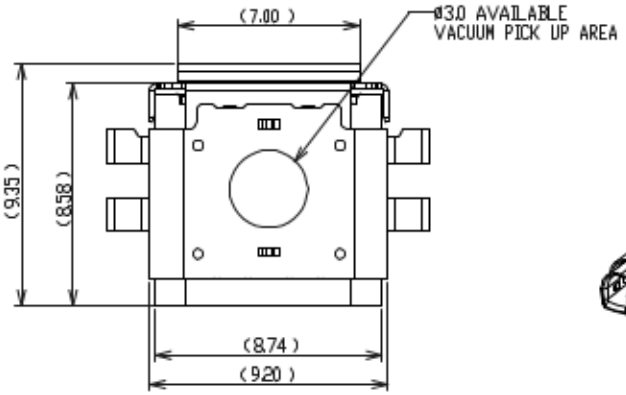
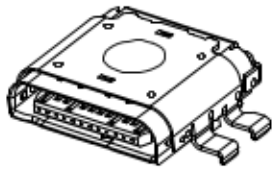
HALOGEN FREE

REV.	EC#	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED
X1	SZECR15082	NEW RELEASE PER PR15032	04/06/15'	AVEN	ROGER	ROGER
X2	SZECR15082-01	⚠X6, AX6	06/16/15'	AVEN	ROGER	ROGER
X3	SZECR15082-02	⚠X1, AX1	07/09/15'	Raymond	ROGER	





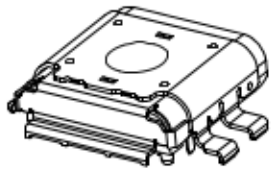


TABLE A: PRODUCT NUMBERING CODE
PRODUCT NUMBERING CODE

C-BR27 - A K X X
① ② ③ ④ ⑤

1.CONNECTOR TYPE:
BR27 : USB TYPE- C FULL FEATURE CONN.
RECEPTACLE - MID MOUNT TYPE

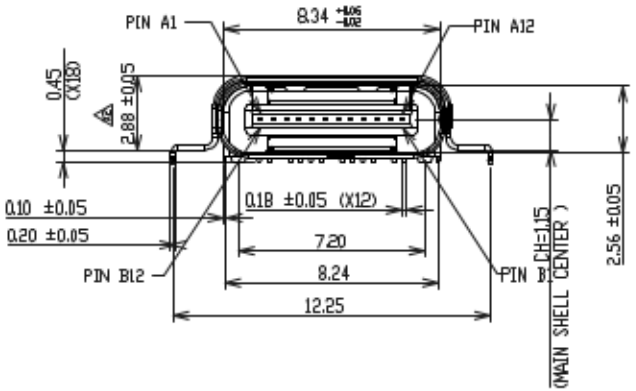
2.NO. OF POSITION:
A: 24 POSITIONS.

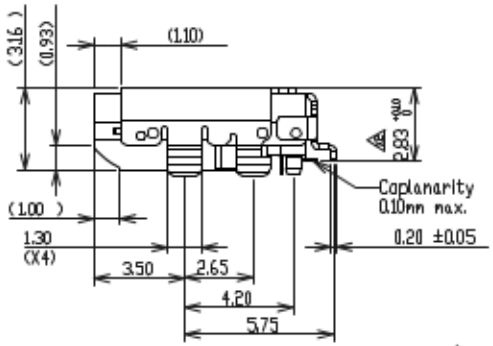
3.COLOR OF INSULATOR:
K: BLACK.

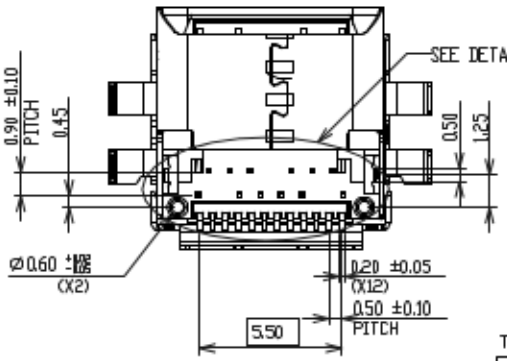
4.PLATING OF CONTACT:
1: GOLD FLASH ON CONTACT AREA.
5: Au 30u" PLATING ON CONTACT AREA.

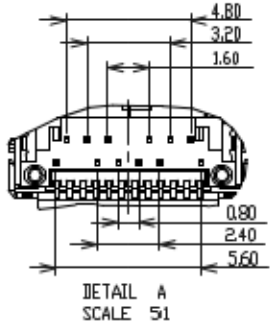
5.PLATING OF FRONT SHELL
⚠3 SOLDERING NICKEL

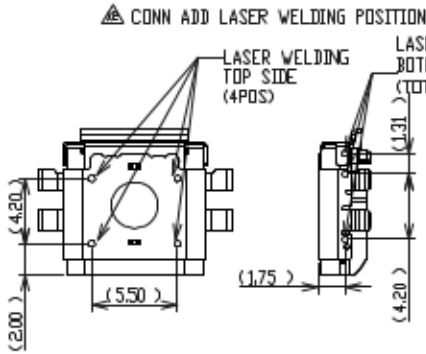
(DESIGNED TO MEET USB TYPE C SPECIFICATION)

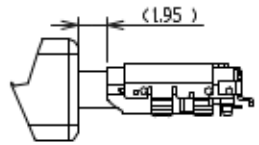












ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
6	OUTER SHELL	1	S- BR27-2XXXX	METAL / NI PLATED
5	SHELL	1	S- BR27-1XXXX	METAL / NI PLATED
4	EMI RING	2	H- BR20-XXXXX	METAL / NI PLATED
3	GROUND PLATE	1	H- BR27-GXXXX	METAL / NI PLATED
2	CONTACT	24	T- BR27-XXXXX	COPPER ALLOY / Au PLATED
1	HALF PRODUCT	2	BR27-XXXXXX	HI-TEMP. G.F. UL94V-0

TABLE B:

PIN NO.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
SIGNAL NAME	GND	SSTXp1	SSTXn1	VBUS	CC1	Dp1	Dn1	SBU1	VBUS	SSRXn2	SSRXp2	GND
PIN NO.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
SIGNAL NAME	GND	SSRXp1	SSRXn1	VBUS	SBU2	Dn1	Dp1	CC2	VBUS	SSTXn2	SSTXp2	GND

TOLERANCES UNLESS OTHERWISE SPECIFIED
DECIMAL X ±0.05
DECIMAL .X ±0.10
ANGLES ±1°

		DATE
DRAWN	AVEN	04/06/15'
DESIGN	AVEN	04/06/15'
CHECKED	ROGER	04/06/15'
APPROVED	ROGER	04/06/15'

SCALE 5:1
SHEET 1 OF 2
UNIT MM

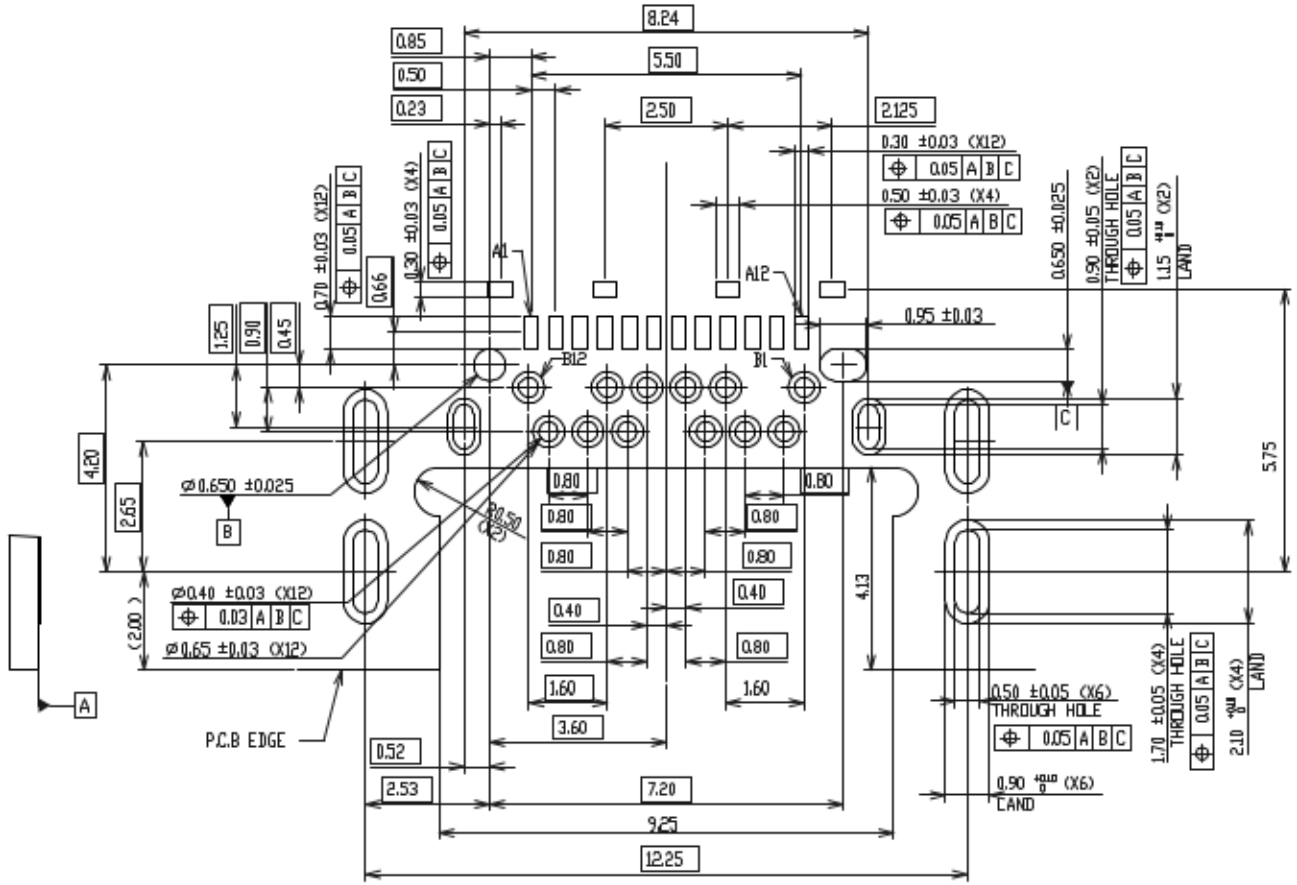
C-BR27-AK53

CnC Tech, LLC

TITLE: USB Type-C 3.1 (10Gbps) Conn. RECEPTACLE - MID MOUNT TYPE
⚠ CH=1.15mm

SERIES: BR27 SERIES
SIZE: A3
DWG NO. C- BR27-00-00
REV. X3

HALOGEN FREE



RECOMMENTED PCB LAYOUT
THICKNESS IS 0.7mm
TOLERANCE ± 0.05

NOTES:

1.0. ELECTRICAL CHARACTERISTICS:

1.1. LOW LEVEL CONTACT RESISTANCE:
INITIAL:40m Ω FOR ALL CONTACT MAX.
AFTER : 10m Ω MAX. CHANGE.

1.2. DIELECTRIC WITHSTANDING VOLTAGE:
100 VAC FOR 1 MINUTE SEA LEVEL.

1.3. INSULATION RESISTANCE:
100M

1.4. CURRENT RATING:
VBUS AND GND CONTACTS RATED AT 1.25A EA.,
PARALLELED FOR A TOTAL OF 5A.

2.0. MECHANICAL CHARACTERISTICS:

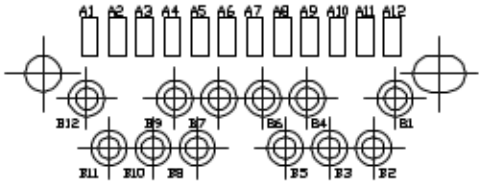
2.1. INSERTION FORCE: 20N MAX

2.2. EXTRACTION FORCE:
DURABILITY 1~1000 CYCLES 8N MIN. 20 N MAX.
DURABILITY 1001~1000 CYCLES 6N MIN. 20 N MAX.

2.3. DURABILITY : 10,000 CYCLES

3.0 OPERATING TENPERATURE: -40°C TO +85°

TABLE C : PIN NO. (TOP VIEW)



DRAWN AVEN 14/06/15'	CnC Tech, LLC		
DESIGN AVEN 14/06/15'	TITLE: USB Type-C 3.1 (10Gbps) Conn. RECEPTACLE - MID MOUNT TYPE		
CHECKED ROGER 14/06/15'			
APPROVED ROGER 14/06/15'	C-BR27-AK53	SERIES: BR27 SERIES	SIZE: A3
SCALE: 5:1		DWG NO: C- BR27-00-00	REV: X3
SHEET 2 OF 2			
UNIT: mm			

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3132-24-1-0500-002-1-TS 3135-18-1-0500-005-1-TS 521-26-04-SV-005F 302-28-26-GR-0100F
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