

SPECIFICATIONS

Current Rating: 5 Amps
 Insulator Resistance: 100 Megohms Min @ 100 VAC
 Voltage Rating: 20V
 Dielectric withstanding: 100V AC
 Operating Temperature: -40°C~+105°C
 Mating Cycle: 10000 Cycles
 Contacts: Copper
 Shell: Stainless Steel
 Under plate: 50u"~100u" Nickel
 Solder Tail Area: 100u"~150u" Tin (Lead Free)
 Contact Area: 15u" Selective Gold
 Insulator Material: Thermoplastic, Black

DATE CODE : YY WW
 YEAR
 EX.15=2015
 WEEK CODE

BPC J 24 F VF T F6 N 1 C C FG
 1 2 3 4 5 6 7 8 9 10 11 12

- 1.SERIES NO. BPC=USB Series
- 2.J=SMT+DIP Type
- 3.CONTACT NUMBER: 24=24 PINS
- 4.CONTACT TYPE: F=FEMALE(LCP)
- 5.CONTACT AREA PLATING: VF=15u" Gold
- 6.SOLDER TAILS AREA PLATING: T=100u"~150u" TIN(Lead Free)
- 7.APPLY TYPE: F6=Mid-Mount Type
- 8.SHELL PLATING: N=NI
- 9.1=Center Height 0.60mm
- 10.PACKING STYLE: C=Tap&Reel
- 11.INSULATOR COLOR: C=Black+Date Code
- 12.Green Option: FG=RoHS Compliant (Matte)(Halogen Free)

BOM:

9	Over Shell (外壳)	SUS304, T=0.20±0.01mm	Silver/Ni	1	
8	EMI Spring (遮蔽片)	SUS301, T=0.10±0.01mm	Silver	2	
7	Shell (壳体)	SUS304, T=0.20±0.01mm	Silver/Ni	1	
6	Middle Plate (中隔片)	SUS301, T=0.15±0.01mm	Silver	1	
5	DIP Contact Molding (DIP端子成型)	LCP E130i UL 94V-0	Black	1	
4	SMT Contact Molding (SMT端子成型)	LCP E130i UL 94V-0	Black	1	
3	Middle Molding (中隔片成型)	LCP E130i UL 94V-0	Black	1	
2	DIP Contact (DIP端子)	C18400 T=0.12±0.01mm	Gold/Selective Gold	12	
1	SMT Contact (SMT端子)	C18400 T=0.12±0.01mm	Gold/Selective Gold	12	
No.	Product Name	MATERIAL	Color & Plated	Q'TY	Note

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GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED

XXX. ± X	.XX ± 0.10
XX. ± X	.XXX ± X
X. ± 0.50	X. ± 1"
.X ± 0.30	.X ± X"

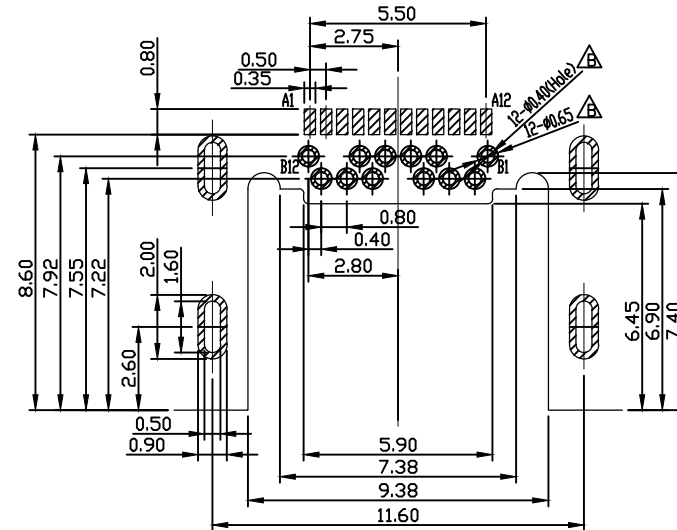
REV. A DRAWN 09/15/09
 DATE 09/15/09 CHECKED
 SCALE As shown APPROVED
 UNIT mm



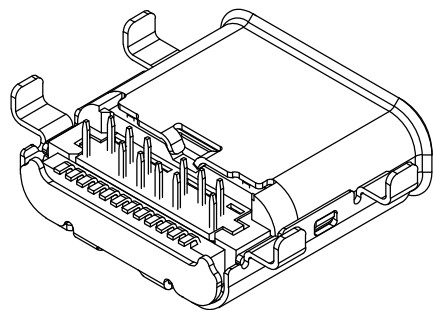
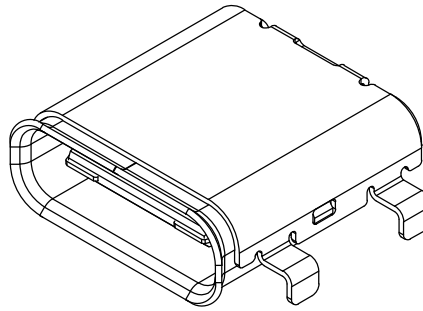
BPC Series
 USB Type C Receptacle (DIP+SMT)
 (Center Height 0.60mm)
 PRODUCT NO. BPCJ24FVFTF6N1CC-FG
 FILE NAME: BPCJ24FVFTF6N1CC-FG.dwg

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
Tolerance ±0.05
PCB Thickness=1.00mm



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XXX. ± X	.XX ± 0.10
XX. ± X	.XXX ± X
X. ± 0.50	X. ± 1"
.X ± 0.30	.X ± X"

REV. A	DRAWN	09/15/09
DATE 09/15/09	CHECKED	
SCALE As shown	APPROVED	
UNIT mm		



BPC Series
USB Type C Receptacle (DIP+SMT)
(Center Height 0.60mm)
PRODUCT NO. BPCJ24FVFTF6N1CC-FG
FILE NAME: BPCJ24FVFTF6N1CC-FG.dwg

SIZE A4