

REV	DESCRIPTION	DATE
A	Initial Release	17.11.16

NOTES:

- 1.0 ELECTRICAL CHARACTERISTICS:
- 1.1 LOW LEVEL CONTACT RESISTANCE:
INITIAL: 40mOhm FOR ALL CONTACT MAX.
AFTER: 50mOhm MAX.
- 1.2 DIELECTRIC WITHSTANDING VOLTAGE:
100 VAC OR 1 MINUTE SEE LEVEL
- 1.3 INSULATION RESISTANCE:
100MOhm MIN.
- 1.4 CURRENT RATING:
VBUS AND GND CONTACTS RATED AT 1.25A.
PARALLELED OR A TOTAL OF 5A
- 2.0 MECHANICAL CHARACTERISTICS:
- 2.1 INSERTION FORCE: 5N ~ 20N.
- 2.2 EXTRACTION FORCE:
INITIAL EXTRACTION FORCE 6TH CYCLES OF 8N ~ 20 N
(1~5 INSERTION/EXTRACTION PRECONDITIONING CYCLES)
DURABILITY 32TH EXTRACTION FORCE SHALL BE 33% OF
THE INITIAL READING AND WITHIN THE RANGE 8 N ~ 20 N.
(6 CYCLES ADDITIONAL 25 INSERTION/EXTRACTION CYCLES)
AFTER DURABILITY 10,000 CYCLES OF 6N ~ 20N
- 2.3 DURABILITY: 10,000 CYCLES
- 3.0 OPERATING TEMPERATURE: -55℃TO +85℃

PART NUMBER CODE
UB20CR03-PSR4-16 F K xx x x
1 2 3 4 5 6

1. Contact Positions:
16: 16 pins
2. Contact Type:
F: Female Receptacle
3. Insulator Color
K: Black
4. Contact Plating:
01: Selective G/F
30: 30u" Selective Gold
3G: 30u" Gold Front Contact, G/F Solder Tails
5. Shell Plating:
N: Solderable Nickel
6. Packing :
R: Tape & Reel

5	LSR	1	Silicone
4	PLASTIC SHELL	1	HIGH-TEMPERATURE PLASTIC,UL94-
3	GROUND PLATED	2	STAINLESS STEEL/NI PLATED
2	CONTACT	16	COPPER ALLOY/SEE TABLE A
1	HOUSING	1	HIGH-TEMPERATURE PLASTIC ,UL94
ITEM	NAME	Q'TY	MATERIAL / FINISH



PANSTRONG COMPANY LTD.

DRAWN BY

TOMMY

CHECKED

APPROVED

DRAWING NO.

TITLE:

USB 2.0 Type-C 16Pin
Receptacle, Mid Mount CH=1.07,
IPX4, Plastic Shell with LSR, SMT Type

PART NO:

UB20CR03-PSR4-16FKxxxx

SCALE

6:1

REV

A

UNIT

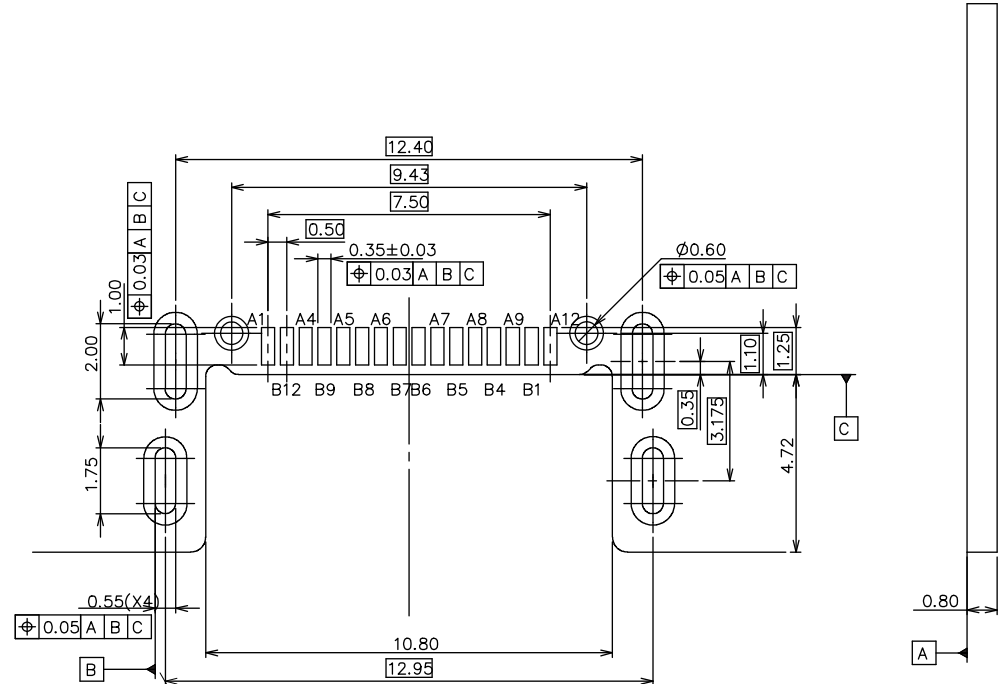
mm



TOLERANCES UNLESS
OTHERWISE SPECIFIED
GENERAL X .00.38
.X .00.25
.XX .00.13
.XXX .00.09
.X .00.07
.XX .00.05

ANGLES X .00.10
.X .00.07
.XX .00.05

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RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05

PIN NO.	A1	A4	A5	A6	A7	A8	A9	A12
SIGNAL NAME	GND	VBUS	CC1	Dp1	Dn1	SBU1	VBUS	GND
PIN NO.	B12	B9	B8	B7	B6	B5	B4	B1
SIGNAL NAME	GND	VBUS	SBU2	Dn1	Dp1	CC2	VBUS	GND

TOLERANCES UNLESS OTHERWISE SPECIFIED
GENERAL X .0038
.X .0025
.XX .0013
.XXX .0009
ANGLES X .25.0°
.X .12.0°
.XX .01.0°

 PANSTRONG COMPANY LTD.					DRAWN BY		TOMMY	
					CHECKED			
TITLE:		USB 2.0 Type-C 16Pin Receptacle, Mid Mount CH=1.07, IPX4, Plastic Shell with LSR, SMT Type			APPROVED			
PART NO:		UB20CR03-PSR4-16FKxxxx			DRAWING NO.			
SCALE		6:1	REV	A	UNIT	mm	