

CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX1		NEW	09/26/2009	JOHNSON

TABLE:

ITEM	PARTS NAME	Q'TY	MATERIAL	FINISH/REMARK
1	HOUSING	1	HIGH-TEMPERATURE	UL 94V-0 COLOR:BLUE
2	SHELL	1	SPCC-SD	T=0.3MM 50U" NICKEL PLATING
3	PIN A	4	BRASS	T=0.2MM 3U" GOLD TAILS:100U" TIN(LEAD FREE)
4	PIN B	5	PHOSPHOR BRONZE	T=0.2MM 3U" GOLD TAILS:100U" TIN(LEAD FREE)

NOTE:

1. MATERIAL:

SEE TABLE

2. ELECTRICAL CHARACTERISTICS:

VOLTAGE CURRENT RATING:1.0AMP.30V AC

CONTACT RESISTANCE:30mΩ MAX

INSULATION RESISTANCE:1000MΩ MIN

DIELECTRIC WITHSTANDING VOLTAGE:500V AC

3. TEMPERATURE RANGE: -25°C~+85°C

4. MECHANICAL CHARACTERISTICS:

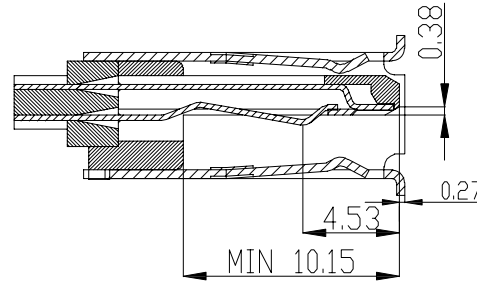
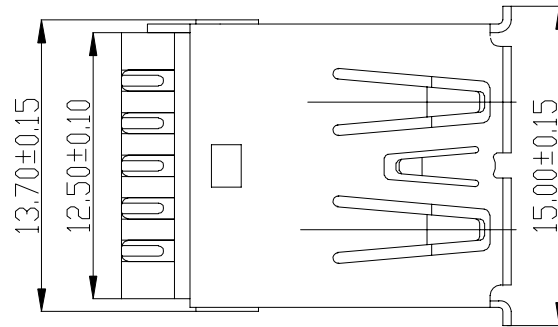
MATING FORCE:40N(4.0KG)MAX

UNMATING FORCE:10N(1.02KG)MIN

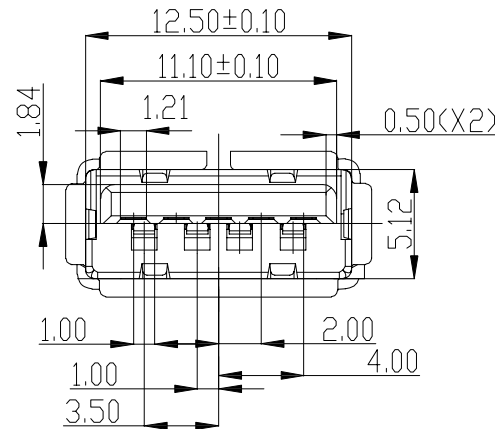
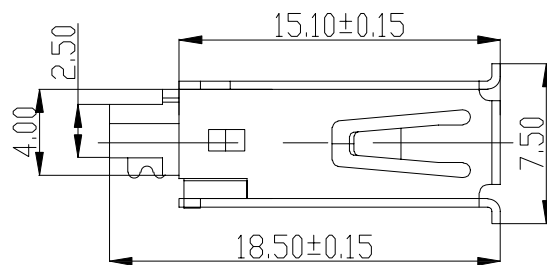
CONTACT RETENTION FORCE:1.47N(0.15KG)MIN

DURABILITY:5000 TIMES MATING/UNMATING SYSLES

5. DIM MARKED SHOULD BE MEASURED BY FAI



SCALE 1:1



USB3.0 STANDARD-A CONNECTOR PIN ASSIGNMENTS

PIN	SIGNAL NAME	DESCRIPTION
1	VBUS	POWER
2	D-	USB2.0 DIFFERENTIAL PAIR
3	D+	
4	GND	GROUND FOR POWER RETURN
5	STDA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR
6	STDA_SSRX+	
7	GND_DRATN	GROUND FOR SIGNAL RETURN
8	STDA_SSTX-	SUPERSPEED YTSMOYYRT DIFFERENTIAL PAIR
9	STDA_SSTX+	
SHELL	SHIELD	CONNECTOR METAL SHELL

PART NUMBER SYSTEM: T50C842X0152XX

CANTACT PLATING

0=G/F

1=5u"

2=10u"

3=15u"

4=30u"



TOLERANCE UNIT(mm)	APPROVALS	DATE	TC&C Electronics Co.,Ltd			
X. ±0.30	DRAWN	09/26/2009	TITLE			
X,X ±0.25	Leo					
X,XX ±0.15	CHECKED	09/26/2009	USB 3.0 FEMALE SOLDER A TYPE			
X,XXX ±0.08	King					
ANGULAR ±2°	APPROVED	09/26/2009	SCALE N.A. PART NO. T50C842X0152XX DRAWING NO. T50C842X0152XX AX1 REV. AX1			
UNLESS OTHERWISE SPECIFIED	Johnson					
	UNIT	MM	SHEET 1 OF 1	CUSTOMER CODE	CUSTOMER PART NO.	