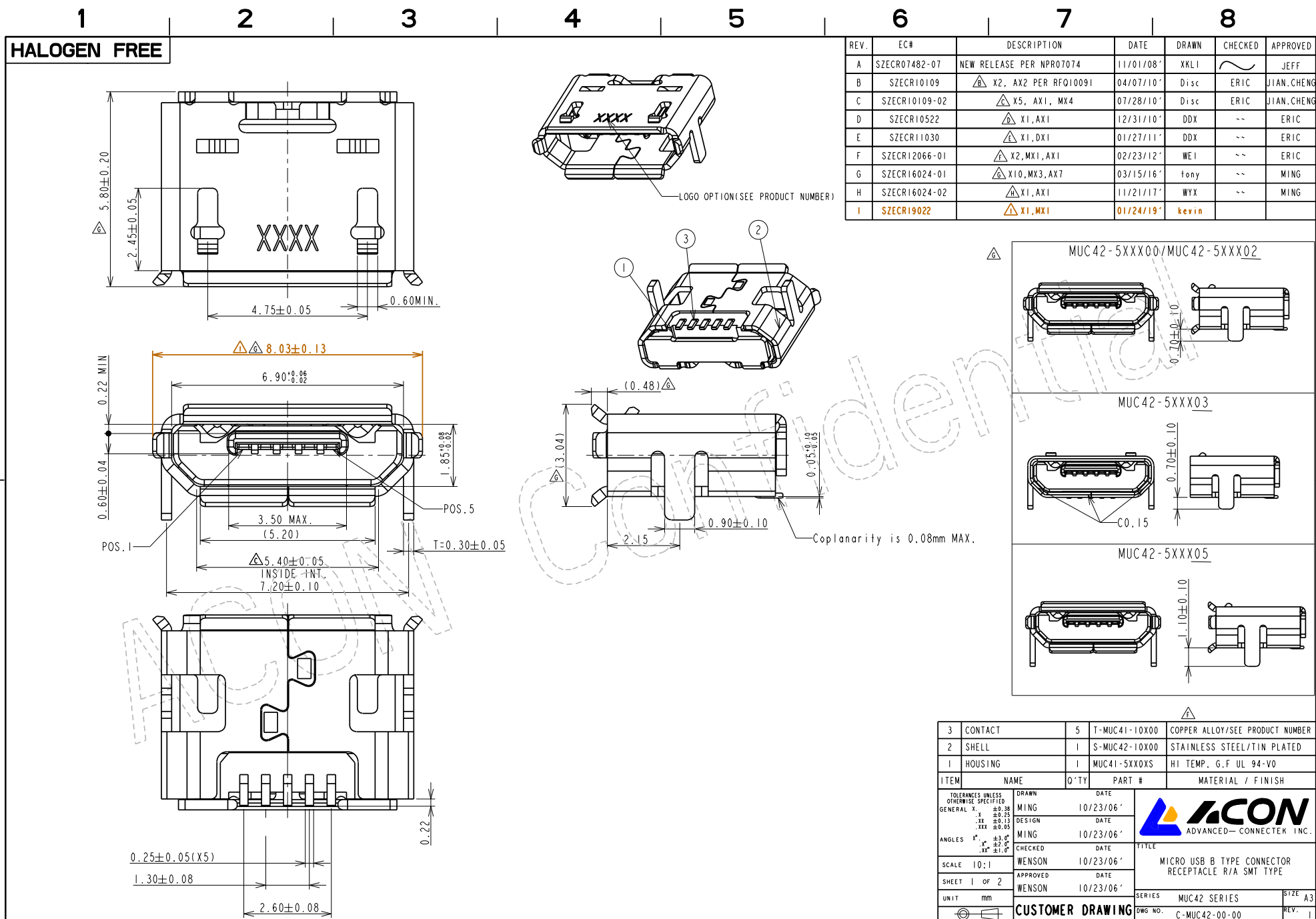
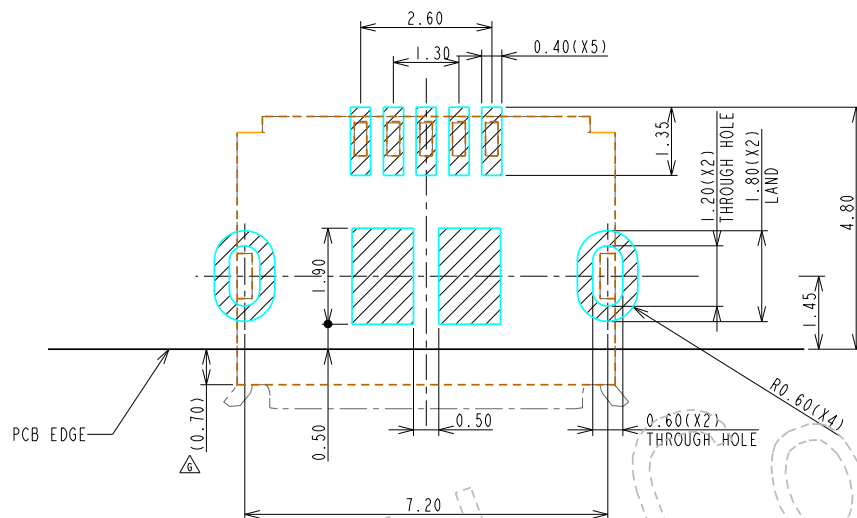


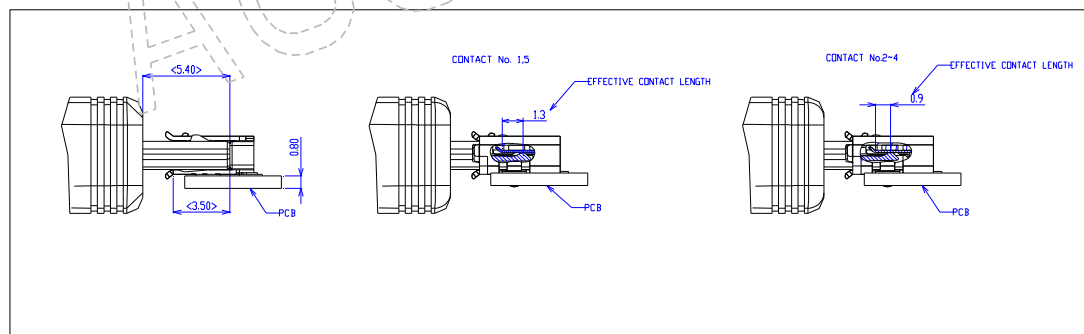


HALOGEN FREE



TOP VIEW
RECOMMENDED PCB LAYOUT TOLERANCE $\pm 0.05\text{mm}$

MATING VIEW



- △△ Specification:
- 1.0 Electrical Specification:
 - 1.1 Contact Resistance:
 - Initial: $30\text{m}\Omega$ Maximum
 - After Durability: Change (detail) of $+10\text{m}\Omega$.
 - 1.2 Isolation Resistance:
 - Initial: $1000\text{M}\Omega$ Minimum.
 - After testing: $100\text{M}\Omega$ Minimum.
 - 1.3 Dielectric withstanding Voltage:
 - 100V AC for one minute.
 - 2.0 Mechanical Specification:
 - 2.1 Mating Force:
 - Initial: 35N Maximum
 - After durability: 35N Maximum
 - 2.2 Unmating Force:
 - Initial: $8-25\text{N}$ Minimum
 - After durability: $8-25\text{N}$ Minimum
 - 2.3 Durability:
 - 10000 cycles (rated: 500cycles/hours).
 - 3.0 The dimension specified in () is only for reference. Please refer to the test result for the conductivity.
 - △△ 4.0 Temperature Rating:
 - Operating Temperature Range: -20°C to $+85^\circ\text{C}$
 - Storage Temperature Range: -40°C to 85°C
 - Ambient Temperature (T_a): $25^\circ\text{C} \pm 2^\circ\text{C}$

TABLE A: PRODUCT NUMBER

MUC42-5 X X X 0 X
① ② ③ ④ ⑤ ⑥

① PRODUCT:
MUC42: MICRO USB RECEPTACLE CONN.; B TYPE

② POSITION:
5:5 POSITIONS

③ COLOR OF INSULATOR
K: BLACK

△△△ ④ CONTACT PLATING
1: GOLD FLASH ON SOLDER TAIL
GOLD FLASH ON CONTACT AREA
NICKEL 80u" MIN UNDERPLATED OVER ALL
7: NICKEL 80u" MIN UNDERPLATED OVER ALL
GOLD 2u" MIN ON SOLDER TAIL
GOLD 30u" MIN ON CONTACT AREA

⑤ SHELL PLATING:
7: MATTE TIN 150u" MIN OVER NICKEL 50u" MIN

△ ⑥ OTHER:
0: W "ACON" LOGO
2: W/O LOGO

△ ⑦ 3: ACON LOGO & W/O FLANGE & DIP $\pm 0.7\text{mm}$
5: ACON LOGO & W FLANGE & DIP $\pm 1.1\text{mm}$

MICRO USB PIN ASSIGNMENT:

CONTACT NUMBER	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	ID
5	GND
SHELL	SHIELD

TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN	DATE
GENERAL	X: ± 0.38 XX: ± 0.25 XXX: ± 0.13 XXXX: ± 0.05	MING	10/23/06
ANGLES	X: $\pm 3.0^\circ$ XX: $\pm 2.0^\circ$ XXX: $\pm 1.0^\circ$	DESIGN	DATE
SCALE	10:1	MING	10/23/06
SHEET	2 OF 2	CHECKED	DATE
UNIT	mm	WENSON	10/23/06
CUSTOMER DRAWING		APPROVED	DATE
		WENSON	10/23/06
		TITLE	
		MICRO USB B TYPE CONNECTOR RECEPTACLE R/A SMT TYPE	
		SERIES	MUC42 SERIES
		DWG NO.	C-MUC42-00-00
		SIZE	A3
		REV.	1