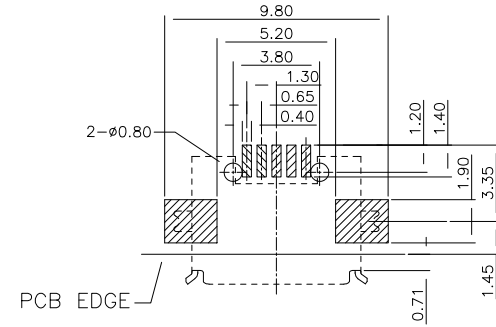
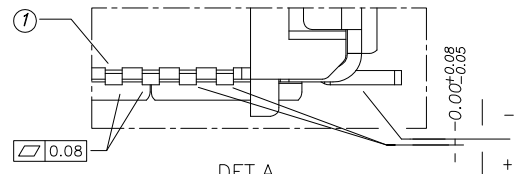
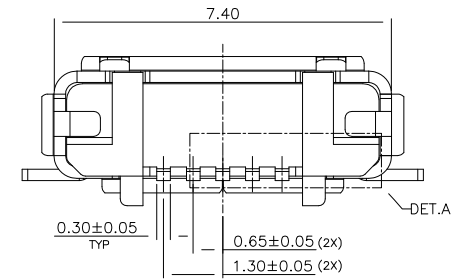
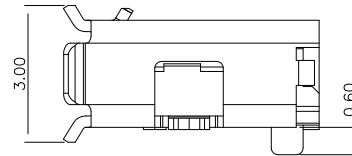
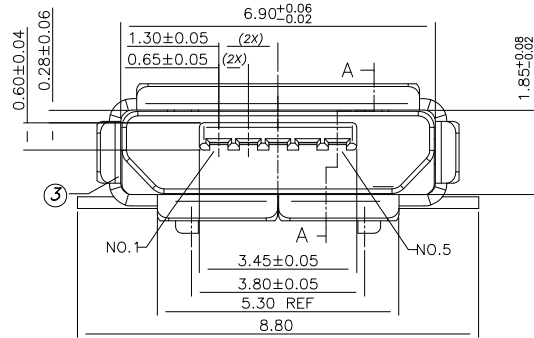


SEC. A-A



PCB LAYOUT(SCALE 4:1)
TOLERANCE:±0.05



DET.A
SCALE 10:1

△ PRODUCT NUMBER:
207A-A B A 0-R
1 2 3 4

- 1.Type
A:AB Type
- 2.Contact Plating
B:30u" Gold Plating
- 3.Peg
A:With Peg

4.RoHS

3	SHELL	STAINLESS STEEL, T=0.25	40u" Min. NICKEL OVER PLATED		
2	HOUSING	LCP UL94V-0	COLOR:GRAY		
1	CONTACT	COPPER ALLOY,T=0.20	CONTACT AREA:Au 30u"Min, SOLDER AREA:Au 3u" Min.		
ITEM	DESC.	MATERIAL	REMARKS	PART	REMARKS

UNLESS OTHERWISE SPECIFIED TOLERANCE		
ANGLES	ANG.	±5°
LINEAR	0.	±0.3
	0.0	±0.25
	0.00	±0.20
SCALE	AS SHOWN	UNIT: mm
DRAWN	Willis	2012/08/03
CHECKED	Angel	2012/08/03
APPROVED	Ken	2012/08/03



www.attend.com.tw
DRAWN NAME:
Micro USB AB Receptacle SMD Type

3	Revise:				
2	Revise:				
1	Revise: Product Number: Contact Area(Gold 30u") and Peg Area		2009/08/11		

REV.	DESCRIPTION	DATE	REV.	DESCRIPTION	DATE	SIZE	REV.	FILE NAME
1			4			A4	1.0	207A-ABA0-R_B_2



ATTEND
Connect to Your Success

SPECIFICATION AND PERFORMANCE

SERIES:
207A-ABAO-R

FILE:
207A-ABAO-R_spec

DATE:
2013/01/16

Scope:

This specification covers the requirements for product performance, test methods and quality assurance provisions of 207A-ABAO-R.

Performance and Descriptions:

The product is designed to meet the electrical, mechanical and environmental performance requirements specification. Unless otherwise specified, all tests are performed at ambient environmental conditions.

RoHS:

All material in according with the ROHS environment related substances list controlled.

MATERIAL AND FINISH		
HOUSING	Material	Housing: LCP UL94V-0 Black
CONTACT	Material	Contact: Brass C2680, T=0.20
	Plating	Contact Area: Gold 30u" Solder Area: Gold 3u"
SHELL	Material	Shell: Stainless Steel 301, T=0.25
	Plating	Nickel Plating 40u"
RATING	Voltage rating: 5V AC(rms max) Current rating: 1.5A Max. per contact Operating temperature range: -30°C~+85°C Storage temperature range: -40°C~+85°C	



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Connect to Your Success

SERIES: 207A-ABAO-R
FILE: 207A-ABAO-R_spec
DATE: 2013/01/16

SPECIFICATION AND PERFORMANCE

ELECTRICAL		
Item	Requirement	Test Condition
Contacts Resistance	Initial: 30mΩ max Final: 100mΩ max	EIA 364 -23 Subject mated contacts assembled in housing to 20mV maximum open circuit at 100mA maximum.
Insulation Resistance	100 MΩ minimum	EIA 364 - 21 Test voltage 100±10V DC between adjacent contacts of mated and unmated connector assemblies. Interval of shield case and contacts too, in the same way.
Dielectric Withstanding Voltage	No flashover & spark over & excess leakage & breakdown.	EIA 364 - 20 Test voltage 100V AC between adjacent contacts of mated and unmated connector assemblies for one minute. Interval of shield case and contacts too, in the same way.
Temperature Rise	0.5A at 250V AC minimum when measured at an ambient temperature of 25°C. With power applied to the contacts, the ΔT must not exceed +30°C at any point in the connector under test.	EIA 364-70, method B The object of this test procedure is to detail a standard method to assess the current carrying capacity of mated connector contacts.
Contact Capacitance	2pF maximum unmated per contact.	EIA 364 - 30 Test between adjacent circuits of unmated connectors at 1KHz.



ATTEND
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SERIES:
207A-ABAO-R

FILE:
207A-ABAO-R_spec

DATE:
2013/01/16

SPECIFICATION AND PERFORMANCE

MECHANICAL

Item	Requirement	Test Condition
Appearance	No crack or deformation that may affect the performance specified in this specification.	EIA 364-18 Visual inspection
Durability	No Damage	EIA 364 – 09 Mate and unmate connector assemblies for 10000 cycles at maximum rate of 200 cycles per hour.
Vibration	No discontinuities of 1us or Longer duration.	EIA 364-28, Condition I Amplitude: 1.52mm Frequency range: 10~55~10 Hz, shall be traversed in approximately 1 minute Duration: 2 hours in each of three mutually perpendicular planes (total of 6 hours).
Physical Shock	No discontinuities of 1us or Longer duration.	EIA 364 – 27 Condition H. Subject mated connectors to 30 G's half-sine shock' pulses of 11 ms duration. Three shocks in each direction applied along three mutually perpendicular planes ,18 total shocks ..
Mating Force	35N maximum	EIA 364 – 13 Measure force necessary to mate connector assemblies at maximum rate of 12.5 mm /min.
Unmating Force	Initial: 10N minimum Final: 8~20N	EIA 364 – 13 Measure force necessary to mate connector assemblies at maximum rate of 12.5 mm/min.



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SERIES: 207A-ABAO-R
FILE: 207A-ABAO-R_spec
DATE: 2013/01/16

SPECIFICATION AND PERFORMANCE

ENVIRONMENTAL

Item	Requirement	Test Condition
Humidity Life	No Damage	EIA 364 – 31 ,Condition A. method. Subject mated connectors to 96 hours at 40°C±2°C with 90~95% RH.
Thermal Shock	No Damage	EIA 364 – 32, Condition . Subject mated connectors to 10 cycles between -55°C ~ 85°C
Temperature Life	No Damage	EIA 364 – 17 Condition Method Subject mated connectors to temperature Life at 85°C for 250 hours
Salt Spray	No Damage	EIA 364-26 Salt solution concentration: 5 ±1% The connector shall be subjected to a fine mist of salt solution at temperature of 35°C±2°C for 24 hours continuously

SOLDER ABILITY

Item	Requirement	Test Condition
Solderability	The contact solder tails shall pass 95% coverage after one hour steam aging	EIA364—52 Solder temperature:255±5°C Immersion period:5 Sec.
Resistance of soldering heat	Class 5.2.1 shall be satisfied	The Receptacle Connector shall be passed through the reflow furnace with the following conditions: Preheat :150~180 for 90~120 Sec. Peak temperature: 230~265 for 20~30 Sec.

