SPECIFICATION FOR APPROVAL

DESCRIPTION: Pitch 0.80mm Board	To Board Connector, V/T, SMT Type Female Post	
CUSTOMER PROD.NO/DWG.NO:		
E&T PROD.NO:	1134K-XXXX-XXX	
APPROVAL SHEET NO:		
E&T DWG. NO./DOCUMENT:	1134K-XXXX-XXX	
		DEV/· A 1

PLEASE RETURN TO US ONE COPY OF SPECIFICATION FOR APPROVAL WITH YOUR APPROVED SIGNATURES.

APPROVED SIGNATURES							



ENTERY INDUSTRIAL CO., LTD.
E&T ELECTRONICS (DONG GUAN) CO., LTD.
E&T ELECTRONICS (SU ZHOU) CO., LTD.

Title :Pitch 0.80mm Board To Board Connector, V/T, SMT Type Female Post

Rel	ease History	Title: Pitch 0.80mm Board To Board Connector, V/T, SMT Type Female Post			
A 1	11,18'2011	This Document Contains Information That Is Proprietary To			
Rev	Description	E&T And Should Not Be Used Without Written Permission			
Docum	ent No.	Prepared By: Juno Chen	Date: 09,14'2009		
:		X-XXX Checked By:	Date: 12 -9 -2011		
		Approved By:	Date:		

GROUP AND TEST SEQUENCE

	Test of Examination		Test Group									
			В	C	D	Е	F	G	Н	Ι	J	K
1	Examination of Product	1,9	1,6	1,5	1,5	1,5	1,4	1,5	1,3	1,3	1,5	
2	Contact Resistance	2,6	2,5	2,4	2,4	2,4		2,4			2,4	
3	Insulation Resistance	3,7										
4	Dielectric Strength	4,8										
5	Insertion Force And Withdrawal Force		3									
6	Terminal / Housing Retention Force											1
7	Durability		4									
8	Vibration			3								
9	Heat Resistance				3							
10	Cold Resistance					3						
11	Humidity	5										
12	Solder Ability						3		2			
13	Resistance To Soldering Heat									2		
14	Steam Aging						2					
15	Salt Spray							3				
16	Temperature Cycling										3	

PRODUCT SPECIFICATION

1. SCOPE:

This specification covers the 0.8 mm pitch board To board SMT type connector series.

2. PRODUCT NAME AND PART NUMBER:

Product Name	E&T Part Number
0.80mm Board To Board Connector, V/T, SMT Type Female Post(Lead Free)	1134K-XXXX-XXX

3. RATINGS:

Item	S	tandard
Rated Voltage (MAX.)	50 V	AC
Rated Current (MAX.)	0.5A	A)
Ambient Temperature Range	-40°	C ~ +80°C

^{*}Including terminal temperature rise

4.PERFORMANCE:

4-1 Electrical Performance

Item		Test Condition	Requirement
4-1-1	Contact Resistance	Test Current: 100 mA Max. Test Voltage: 20mV Max Test Method: MIL-STD-202F, Method 303	50 mΩ MAX.
4-1-2	Insulation	Test Voltage: 100VAC. Test Duration: 1 minutes.	Initial: 500 MΩ Min
Resistance		Test Method: MIL-STD-202, method 302	Final: 100 MΩ Min.
4-1-3	Dielectric Strength	Test Voltage: 200V AC. Test Time: 60 sec. Test Method: MIL-STD-202, Method 301.	No Breakdown

4-2 Mechanical Performance

Item Test Con-		Test Condition	Require	ment	
4-2-1 Insertion Force And		Test Speed: 25±3 mm/min. Test Method: MIL-STD-1344A, Method 2016.	Insertion Force Max : 0.09kgf X total terminals		
7 2 1	Withdrawal Force		Withdrawal For 0.01kgf X total	· /	
4-2-2	Terminal / Housing Retention Force	Test Speed: 25mm/min.	0.5kgf (Min)	
		The contacts of connector shall be subject to 50 cycles of mating and unmating.	Contact Re	sistance	
4-2-3	Durability		Initial Value	\leq 50 m Ω	
			Final Value	$\leq 70 \; m\Omega$	

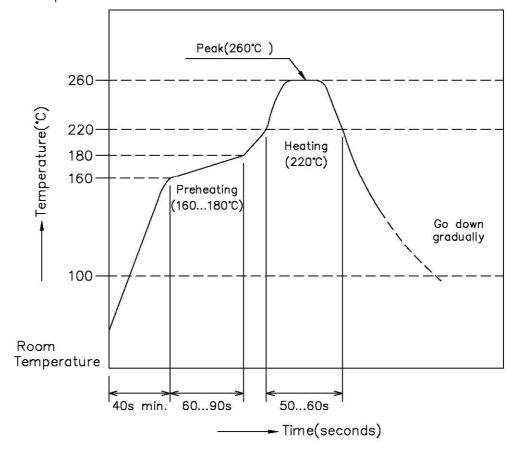
4-3 Environmental Performance and Others

	Item	Test Condition	Require	ment
		Amplitude : 1.5 ₪₪ Frequency range: 10~55~10 Hz in 1 minute	Appearance	No Damage
4-3-1	Vibration	Duration: 2 hours in each X.Y.Z axes Current: 100mA. Test Method: MIL-STD-202F, Method 201	Contact Resistance	\leq 70 m Ω
		Test Method: MIL-31D-2021, Method 201	Discontinuity	1µsec
4-3-2	Temperature: 80±2°C Heat Duration: 96 hours		Appearance	No Damage
4-0-2	Resistance	Test Method: MIL-STD-202, Method 108.	Contact Resistance	$\leqq 70~\text{m}\Omega$
4-3-3	Cold	Temperature: -40±2°C Duration: 96 hours Test Method: JIS C60068-2-1 -	Appearance	No Damage
4-3-3	Resistance		Contact Resistance	\leq 70 m Ω
		Temperature: 40±2℃ Relative Humidity: 90~95%	Appearance	No Damage
4-3-4	Humidity	Duration: 96 hours Test Method: MIL-STD-202F, Method 103 Humidity	Contact Resistance	$\leqq 70 \text{ m}\Omega$
			Insulation Resistance	\geq 100M Ω
			Dielectric Strength	Must meet 4-1-3

	Item	Test Condition	Requi	rement
4-3-5	Solder Ability	Soldering Time : 3 ± 0.5 sec Solder Temperature : $235\pm5^{\circ}$ C Test Method: MIL-STD-202F , Method 208	Solder Wetting	95% Of Immersed Area Must Show No Voids, Pin Holes
4-3-6	Resistance To Soldering Heat	Soldering Time : 10 ± 0.5 sec Solder Temperature : $260\pm5^{\circ}$ C Test Method: MIL-STD-202F , Method 210A	Appearance	No Damage
		Steam Aging Temperature : 98±2°ℂ Duration: 8 hours Solder Temperature : 235±5°ℂ	Appearance	No Damage
4-3-7	Steam Aging	Soldering Time : 3±0.5 sec Test Method: MIL-STD-202F , Method 208	Solder Wetting	95% Of Immersed Area Must Show No Voids, Pin Holes
4-3-8	Salt Spray	Chamber Temperature : 35±2°C Air Tank Temperature : 47±1°C Salt Solution : 5 ± 0.5% Duration : 48 hours	Appearance	No Damage
100	our opray	Test Method: MIL-STD-202, Method 101D	Contact Resistance	\leq 70 m Ω
4-3-9	Temperature	5 cycles of : a) - 55 $\pm 3^{\circ}$ C 30 minutes b) +25 $\pm 3^{\circ}$ C 30 minutes	Appearance	No Damage
7-0-9	Cycling	c)+ 85 $\pm 2^{\circ}$ C 30 minutes Test Method: JIS C0025	Contact Resistance	\leq 70 m Ω

INFRARED REFLOW CONDITION

- 1) Ascending time to preheating temperature 170°C shall be 40 seconds minimum.
- 2) Preheating shall be fixed at 160...180°C for 60...90 seconds.
- 3) Heating shall be fixed at 220°C for 50...60 seconds.
- 4) At 260±5°C peak shall be 10 seconds maximum.



Precaution in the connector handing.

1. Please try that the connector parallel is mated is mated Into or unmated form the counterpart connector in parallel.

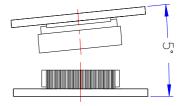
2. Mating (into the counterpart connector)

At the time of mating please do not continue to mate the connector if there is the gap.

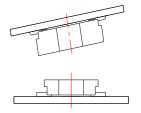
A to the one side, please mate the connectors when the both guides are guided.



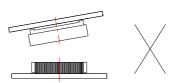
When mating plug with receptacle obliquely ,please make mating within an angle of 5°.



3. Unmating (from the counterpart connector)
Please do not extract the one side of the printed circuit board.
Please extract the printed curcuit board in parallel with the connector.



4. Please do not bend the printed circuit board in the arrow direction.



5. After mating connectors , fix the PCB/PWB in order not for them to disengage.

RELEASE HISTORY

Rev.	Revisions	Date	Executor	Description
A0	First Release	SEP-14-2009	JUNO	First Release
A1	RE201111014 RE201111028	NOV-18-2011	JIMMY	LCP 6130LX Change LCP E130I Cancel Packaging Spec