SPECIFICATION

SPEC. NO.: DG1507012 REV: B1

DATE: 2-Jan-2019

PRODUCT NAME: RJ45 2×1 W/LED & W/O Bottom Only Spring W/Surge Protection 1000 Base-T Transformer

PRODUCT NO: RMG47A-BC35-FE0-0R (RoHS Compliant)

东莞立德精密工业有限公司

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SPECIFICATION

Product Number: RMG47A-BC35-FE0-0R (RoHS Compliant)

Product Description: RJ45 2×1 W/LED & W/O Bottom Only Spring W/Surge Protection 1000 Base-T Transformer

1 SCOPE

1.1 Content

1.1.1 This specification covers performance, tests and quality requirements for RJ45 2×1 W/LED & W/O Bottom Only Spring W/Surge Protection 1000 Base-T Transformer.

2 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, latest edition of the specification applies. In the event of conflict between requirements of this specification and product drawing, product drawing shall take precedence.

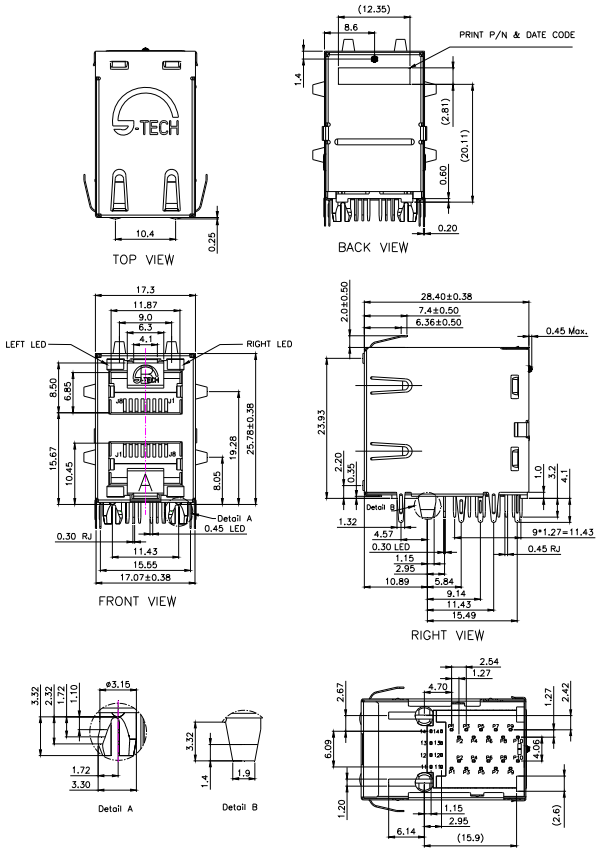
2.1 Commercial standards, specifications and report

2.1.1 MIL-STD-1344A

2.1.2 EIA-364

3 MECHANIC DIMENSIONS

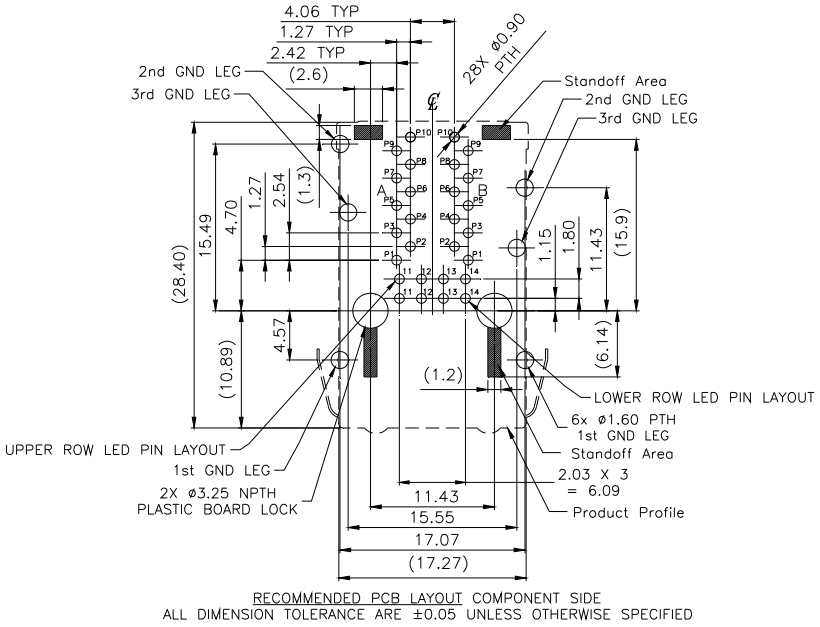
3.1 Dimensions



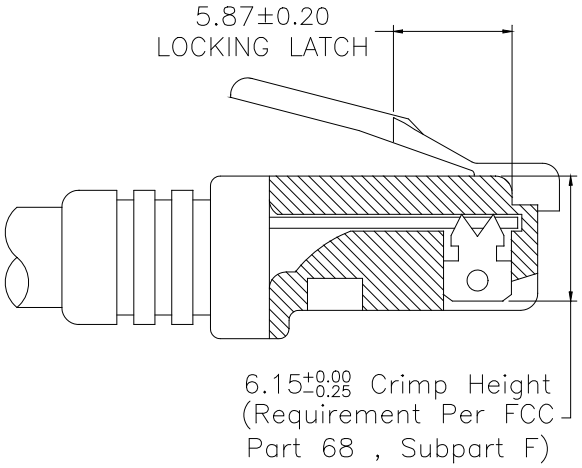
General Tolerance : .X : ±0.38

.XX : ±0.25

3.2 PIN Assignment for PCB Layout



4 RECOMMENED PLUG DIMENSION



5 REQUIREMENTS

5.1 Design and Construction

5.1.1 Product shall be of design, construction and physical dimensions specified on applicable product drawing.

5.2 Materials and Finish

5.2.1 Contact :

5.2.1.1 RJ Contact : Phosphor bronze

Finish : (a) Contact Area: 50μ" Au Min

(b) Solder Tail Area: 100μ" Matted Tin

(c) Underplating: 50μ" Nickel over all

5.2.1.2 RJ Joint Contact : Brass

Finish : 100μ" Matted Tin on 50μ" Nickel over all

5.2.1.3 LED PHY Pin Contact: Brass

Finish : 100μ" Matted Tin on 50μ" Nickel over all

5.2.2 Plastic Part :

5.2.2.1 Housing : High-temperature plastics, PA46, Black, UL 94V-0

5.2.2.2 Insert : High-temperature plastics, PA46, Black, UL 94V-0

5.2.2.3 Spacer : High-temperature plastics, PA46, Black, UL 94V-0

5.2.3 Shell

5.2.3.1 Front Shell : Stainless steel

5.2.3.2 Back Shell : Stainless steel

5.2.3.3 Shell of Grounding Pin :pre-soldering Sn

5.2.4 LED Lamp

Emitting color	λp(nm)	Vf@If= 20mA	Ir@Vr=5V
Green	565	1.7-2.6	10 uA max
Yellow	585	1.7-2.6	10 uA max

5.3 Operating and Storage Temperature

5.3.1 Operating Temperature : 0℃ TO +70℃

5.3.2 Storage Temperature : -40℃ TO +85℃

5.4 Mechanical Characteristics

5.4.1 Mating force : 20N MAX

5.4.2 Unmating force(w/o tab locking): 20N MAX

5.4.3 Durability : 1000 cycles

5.5 Reliability Test:

5.5.1 Resistance to soldering heat - High Temperature Resistance:
265+5/-0℃， 3-5 seconds for 2 times.

5.5.2 Rework temperature: 350℃Max. 3~5seconds for 3 times.

5.6 Environmental Test:

5.6.1 Moisture Resistance : MSL level-3

5.6.2 Saving life: 1 year

5.6.3 Thermal shock cycle Test: Expose Sample connectors under the temperature changes between -40℃and 85℃ for 25 cycles holding for 30minutes at the both extremes, in accordance with test method of SPEC.

5.6.4 Temperature life: Subject Sample connectors to temperature life at 85℃ for 168 hours. EIA-364-22B, Class shell be satisfied.

Humidity test: Subject Sample connector, to relative humidity 85%RH and a temperature of 85℃ for 168 hours. It shall be subjected to standard atmospheric. Class shell be satisfied. MIL-STD-1344A.method:1002.2.

5.7 Performance and Test Description

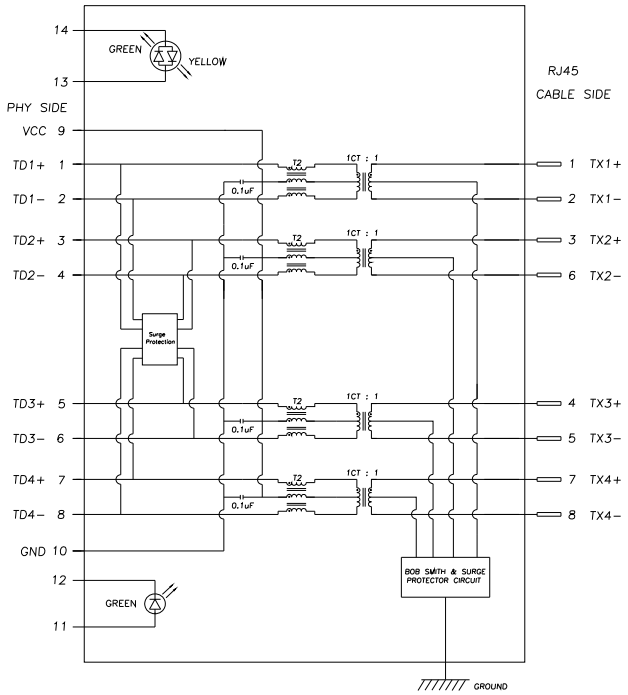
Product is designed to meet electrical, mechanical and environmental performance requirements. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

5.8 Packaging and Packing

All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.

6 ELECTRICAL CHARACTERISTICS

6.1 Schematic



6.2 Insertion loss : 1~100 MHz –1.0dB MAX.
100~125 MHz –1.2dB MAX.
Return loss : 1~30 MHz –18dB MIN. load 100 Ω
30~60 MHz –16dB MIN. load 100 Ω
60~80 MHz –12dB MIN. load 100 Ω
80~100 MHz –10dB MIN. load 100 Ω

6.3 Common Mode Rejection
@ 1~100 MHz –30dB MIN.

6.4 Cross Talk
@ 1~100 MHz –30dB MIN.

6.5 Primary Inductance @ 100KHz, 0.1V, 8mA DC BIAS
P(1-2), P(3-4), P(5-6), P(7-8) : 350μH MIN

6.6 Hi-Pot TEST
PRIMARY TO SECONDARY: 2250 VDC.

6.7 Surge Protection
IEC 61000-4-5(Lightning) (10/700us)
Line to Line: 1KV Line to Ground: 4KV

7 ORDER INFORMATION

R	M	G	4	7	A	-	B	C3	5	-	F	E	0	-	0	R
			A	B	C		D	E	F		G				H	I

A: W/Shell; Shell Unsymmetry

B: W/O Bottom Only Spring; W/3rd Leg

C: LED Polarity Code
A—LED Positive Polarity

D: LED Color Code
B—Left LED: Green Right LED: Green/Yellow

E: Schematic Code
C3—C3 Type of the Circuit

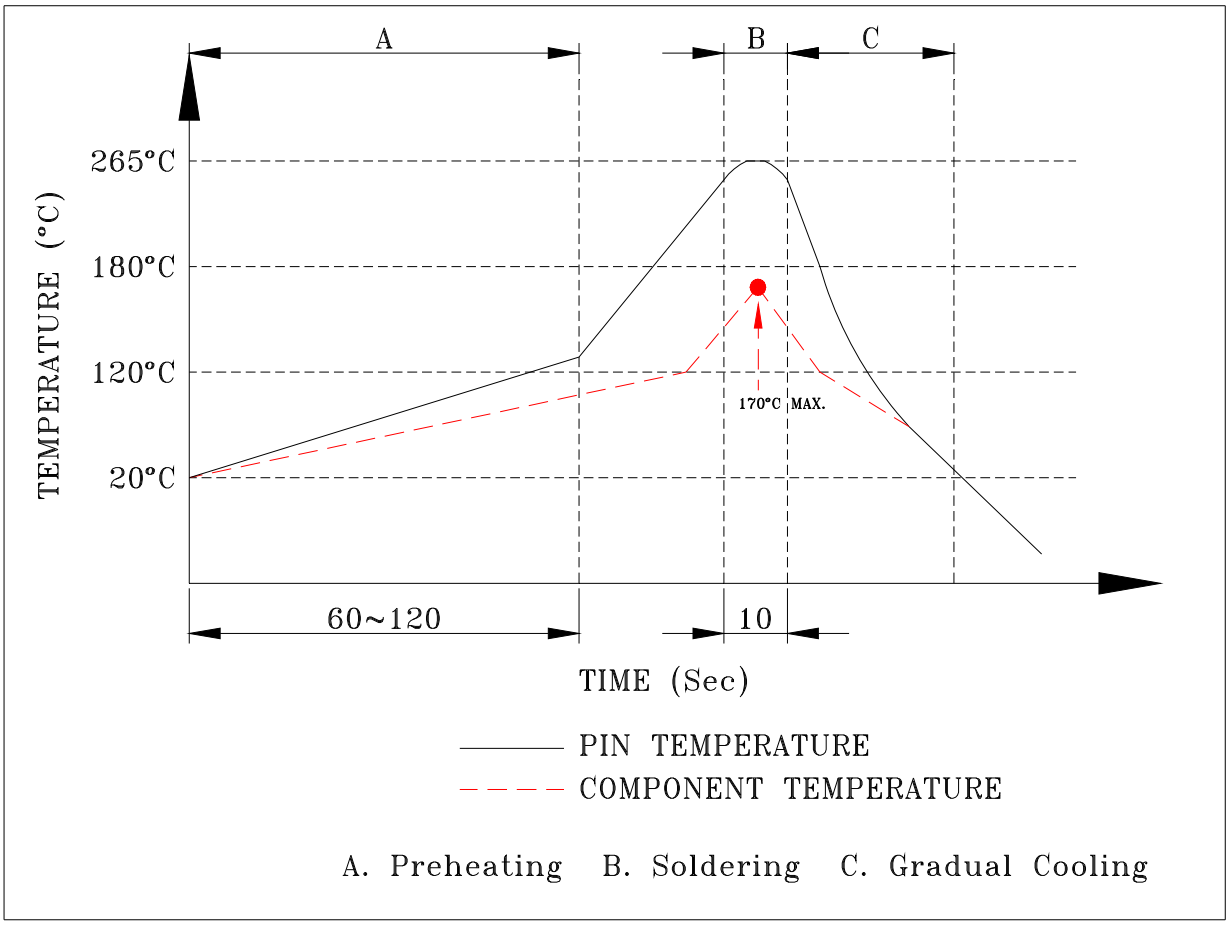
F: Contact plating
5—50μ" Au Min

G: 8P10C PHY Pin Dim: 3.2mm

H: Packing type
0—Tray

I: RoHS Compliant

8 Profile of Wave Solder



SUGGESTED WAVE SOLDER CURVE

(1)Tip temperature : 265+5/−0°C

(2)Tip temperature time : 3~5sec

PA46　TE250F6　UL 黄卡

Component - Plastics　　**E47960**

DSM ENGINEERING PLASTICS B V

Urmonderbaan 22, Geleen 6167 RD NL

TE250F6(h1)(j)

Polyamide 4/6 (PA4/6), glass reinforced, flame retardant, "Stanyl", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.35	V-0	0	0	-	-	-
	0.75	V-0	0	0	140	110	120
	1.5	V-0	0	0	140	125	125
	3.0	V-0	0	0	140	130	130

Comparative Tracking Index (CTI): **2**

High-Voltage Arc Tracking Rate (HVTR): **1**

Dielectric Strength (kV/mm): **23**

Dimensional Stability (%): **0.0**

High Volt, Low Current Arc Resis (D495): **6**

Volume Resistivity (10^x ohm-cm): **-**

(h1) - Virgin and regrind, up to 50% by weight inclusive, in thicknesses of 0.75mm and greater, have the same basic material characteristics, except for CTI.

(j) - Virgin and regrind, up to 100% by weight inclusive, have the same basic material characteristics with respect to Flammability in the 0.75mm thickness and greater.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2003-01-01

Last Revised: 2013-05-29

SER.NO	Q1903001
PAGES	10

LUXSHARE ICT

ENVIRONMENT & RELIABILITY LAB.

TEST REPORT

APPLICANT RD

APPLICANT ADD. Building D, Diaobashan Area, Qinghuang Village

Committee, Qingxi Town, Dongguan City.

DESCRIPTION :RJ45 2*1 SERIES

PART NO RMG47A-BC35-FE0-0R

TEST ITEM : ELECTRICAL , MECHANICAL &

ENVIRONMENTAL TEST

ISSUE 2019.3.1

NOTE :
1.THE RESULTS OF THE TESTING REPORT RELATE ONLY TO THE ITEMS TESTED.
2.THE TESTING REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL,
WITHOUT THE WRITTEN APPROVAL OF QL.

CHECKED BY	PREPARED BY
Eric	Quanyun

Dong Guan Leader Precision Industrial Co., LTD.

TEL: +86-0769-89089000

1. DATE OF TESTING :

2019/02/10~2019/03/01

2. MEASURING ENVIRONMENT :

TEMP. 20 ~ 28℃ ; R.H. 50 ~ 70%.

3. TESTING ITEM :

SEE TEST SEQUENCE.

4. DESCRIPTION :

RJ45 2*1 (RMG Series))

5. TEST EQUIPMENT/ (DATE OF LATEST CALIBRATION) :

5.1 CHENHWA DU-333 WITHSTANDING VOLTAGE / INSULATION RESISTANCE TESTER.

5.2 AUTOMATIC TRANSFORMER TEST SYSTERM : ZENTECH 3250

5.3 LOAD-DISPLACEMENT TESTER/DURABILITY TESTER : SE 1220S.

5.4 TAI WAY VIBRATION TESTER:TW-200

5.5 HUMIDITY-TEMPERATURE SENSOR : KSON TAS-ATC-150

5.6 HIGH &LOW TEMPERATURE CHAMBER :KSON THS-A7C-150

5.7 TEMPERATURE SHOCK CHAMBER : TSG-70H-W

5.8 HIGH TEMPERATURE CHAMBER:PHH-101

5.9 SOLDERABILITY TESTER

5.10 SH-2060B SALT SPRAY TESTER.

5.11 TEMPERATURE RECORDER:YOKOGAWA μR-1800

5.12 IR CHAMBER

6. TEST METHOD OF INSPECTION :

6.1 EXAMINATION OF PRODUCT:

Visual, dimensional and functional per applicable quality inspection plan.

Product shall meet requirements of applicable product drawing and specification.

6.2 LCR(DCR/PH/TURNS RATIO)TEST:

6.2.1 . Mate subject connector with compatible connector be up to specification

6.2.2. LCR transformer display “PASS”.

6.3 INSULATION RESISTANCE:

6.3.1Apply DC400±10% Volts between adjacent contacts of mated connectors for 1mA and 1 Sec.

6.4 DIELECTRIC WITHSTANDING VOLTAGE:

6.4.1.Apply a voltage of 1500 volts AC for 60sec and 1mA between adjacent terminals and between terminals to ground.EIA-364-20B

6.4.2 .No flashover & spark over & excess leakage & breakdown.

6.5 INSERTION AND EXTRACTION FORCE :

6.5.1. The insertion and withdrawal speed:25mm/minute.

TEST METHOD EIA-364-13B.

6.5.2 Insertion force:22N max.

Extraction Force:22N max.

6.6 DURABILITY :

6.6.1 Mate and unmated connector assemblies for 1000cycles, of cycles specified at the rate of 25mm/min.

TEST METHOD EIA-364-09C.

6.6.2. No mechanical damage.

6.7 VIBRATION (RANDOM):

6.7.1.Mated Sample connector are subjected to 5.35Gs RMS amplitude of vibration1.52mm. 10-50-10Hz /1minute.2hour total of three mutually. perpendicular palnes total 6hour min.

MIL-STD-202G.

6.7.2. No discontinuities 1 μ s or longer duration.

6.8 THERMAL SHOCK :

Expose Sample onnectors under the temperature changes between -55℃and 85℃for 50 cycles holding for 30minutes at the both extremes,in accordance with test method of SPEC.

6.9 HUMIDITY :

6.10.1 Subject Sample connector,to relative humidity 85~95%RH and a temperature of -10~25~65℃~for 240 hour. it shall be subjected to standard atmospheric.

6.10.2 Class shell be satisfied. MIL-STD-1344A.method:1002.2.

6.10 TEMPERATURE LIFE :

Subject Sample connectors to temperature life at 85℃ for168hours.

EIA-364-22B, Class shell bc satisficd.

6.11 LOW TEMPERATURE :

Subject Sample connectors to low temperature at-40℃ for 168 hours.

6.12 SALT SPRAY:

Subject Sample connector to 5±1% salt-solution concentration,35±2℃ for 48 hours.

EIA-364-26B, Class shell be satisfied.

6.13 SOLDERABILITY:

6.13.1.Subject the test area of Sample connector into flux for 3~5 seconds and then into solder bath, controlled at 245±5℃ for 3-.5seconds.Refer to spec.

6.13.2.Solder able area shall have minimum of 95% solder coverage.

6.14 RESISTANCE TO SOLDERING HEAT:

Subject the Sample connector into Wave soldering bath ,The heat Peak and soldeirng time shall be setted at 260±5℃，For 10s.

7. **TEST SEQUENCE :**

TEST OR EXAMINATION	TEST GROUP							
	1	2	3	4	5	6	7	8
	TEST SEQUENCE							
VISUAL INSPECTION	1,10	1,3	1,10	1,9	1,12	1,9	1,3	1,9
DISCONTINUITIES TEST	2							
INSULATION RESISTANCE	3,7		2,7	2,6	2,9	2,6		2,6
DIELECTRIC WITHSTANDING VOLTAGE	4,8		3,8	3,7	3,10	3,7		3,7
LCR TEST	5,9		4,9	4,8	4,11	4,8		4,8
NORMAL FORCE					5			
INSERTION FORCE/ EXTRACTION FORCE					6,8			
DURABILITY					7			
PHYSICAL SHOCK								
VIBRATION				5				
THERMAL SHOCK			5					
HUMIDITY			6					
TEMPERATURE LIFE	6							
LOW TEMPERATURE						5		
SALT SPRAY		2						
SOLDER ABILITY							2	
RESISTANCE TO SOLDER HEAT								5
SAMPLE SIZE	***5***	***5***	***5***	***5***	***5***	***5***	***5***	***10***

8. TEST RESULT :

8.1 GROUP 1.

TEST ITEM	REQUIREMENT	RESULT
VISUAL INSPECTION (PART.1.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
DISCONTINUITIES TEST (PART. 1.2)	DISCONTINUITIES LESS THAN 1μ Sec	MEET REQUIREMENT.
INSULATION RESISTANCE(PART. 1.3)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART.1.4)	Current leakage :1mA max	MEET REQUIREMENT.
LCR TEST(PART. 1.5)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
TEMPERATURE LIFE (PART. 1.6)	AFTER THIS TEST THE CONNECTORS SHALL MEET THE REQUIREMENTS OF PART.1.6/1.7/1.8/1.9.	REF. NEXT ITEM.
INSULATION RESISTANCE(PART. 1.7)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART.1.8)	Current leakage :1mA max	MEET REQUIREMENT.
LCR TEST(PART. 1.9)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
VISUAL INSPECTION ODUCT.(PART.2.0)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE : PASS

8.2 GROUP 2.

TEST ITEM	REQUIREMENT	RESULT
EXAMINATION OF PRODUCT: (PART.2.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
SALT SPRAY(PART. 2.2)	AFTER THIS TEST, THE CONNECTORS SHALL MEET THE REQUIREMENT OF PART.2.3	REF. NEXT ITEM.
EXAMINATION OF PRODUCT: (PART.2.3)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE: PASS

8. TEST RESULT :

8.3 GROUP 3.

TEST ITEM	REQUIREMENT	RESULT
CONFIRMATION OF PRODUCT (PART.3.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
INSULATION RESISTANCE(PART. 3.2)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART.3.3)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 3.4)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
THERMAL SHOCK. (PART.3.5)	THERE SHALL BE NO DAMAGE TO THE CONNECTORS. ON COMPLETION OF THIS TEST , THE CONNECTORS SHALL MEET THE REQUIREMENTS OF PART.3.6/3.7/3.8/3.9/3.10.	REF. NEXT ITEM.
HUMIDITY (PART. 3.6)	AFTER THIS TEST, THE CONNECTORS SHALL MEET THE REQUIREMENT OF PART.3.7/3.8/3.9/3.10	REF. NEXT ITEM.
INSULATION RESISTANCE(PART. 3.7)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART.3.8)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 3.9)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
CONFIRMATION OF PRODUCT (PART. 3.10)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE : PASS

8. TEST RESULT :

8.4 GROUP 4.

TEST ITEM	REQUIREMENT	RESULT
CONFIRMATION OF PRODUCT (PART.4.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
INSULATION RESISTANCE(PART. 4.2)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART.4.3)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 4.4)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
VIBRATION(RANDOM) (PART.4.5)	ON ELECTRICAL DISCONTINUITY GREATERTHAN 1 μ s SHALL OCCUR. MEET THE REQUIREMENT OF PART. 4.6/4.7/4.8/4.9/4.10.	MEET REQUIREMENT.
INSULATION RESISTANCE(PART. 4.7)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART.4.8)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 4.9)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
CONFIRMATION OF PRODUCT (PART.4.10)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE : PASS

8. TEST RESULT :

8.5 GROUP 5.

TEST ITEM	REQUIREMENT		RESULT			
EXAMINATION OF PRODUCT: (PART.5.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.		NO EVIDENCE OF PHYSICAL DEFECTS.			
INSULATION RESISTANCE(PART. 5.2)	500MΩ **Min**		MEET REQUIREMENT.			
DIELECTRIC WITHSTANDING VOLTAGE(PART. 5.3)	Current leakage :1 mA max		MEET REQUIREMENT.			
LCR TEST(PART. 5.4)	INSPECTION OF TEST METHOD		PASS BE UP TO SPECIFICATION			
Normal Force (PART. 5.5)	100g Min		175g	180g	173g	190g
INSERTION FORCE/ EXTRACTION FORCE (PART. 5.6)	INSERTION FORCE20N (MAX) EXTRACTION FORCE20N(MAX)	unit:N	insertion force		extraction force	
		sample1	5.1		2.4	
		sample2	5.7		2.1	
		sample3	6.3		2.7	
DURABILITY(PART. 5.7)	NO COMPLETION OF DURABILITY, THE CONNECTORS SHALL MEET THE REQUIREMENTS OF PART 5.7.		MEET REQUIREMENT.			
INSERTION FORCE/ EXTRACTION FORCE (PART. 5.8)	INSERTION FORCE20N (MAX) EXTRACTION FORCE20N(MAX)	unit:N	insertion force		extraction force	
		sample1	4.9		2.3	
		sample2	5.0		3.7	
		sample3	4.0		2.4	
INSULATION RESISTANCE(PART. 5.9)	500MΩ **Min**		MEET REQUIREMENT.			
DIELECTRIC WITHSTANDING VOLTAGE(PART. 5.10)	Current leakage :1 mA max		MEET REQUIREMENT.			
LCR TEST(PART. 5.11)	INSPECTION OF TEST METHOD		PASS BE UP TO SPECIFICATION			
EXAMINATION OF PRODUCT: (PART.5.12)	MEET REQUIREMENTS OF PRODUCT DRAWING.		NO EVIDENCE OF PHYSICAL DEFECTS.			

JUDGE : PASS

8. TEST RESULT :

8.6 GROUP 6.

TEST ITEM	REQUIREMENT	RESULT
VISUAL INSPECTION (PART6.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
INSULATION RESISTANCE(PART. 6.2)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART. 6.3)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 6.4)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
LOW TEMPERATURE(PART.6.5)	AFTER THIS TEST THE CONNECTORS SHALL MEET THE REQUIREMENTS OF 6.6/6.7/6.8/6.9	REF. NEXT ITEM.
INSULATION RESISTANCE(PART. 6.6)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART. 6.7)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 6.8)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
VISUAL INSPECTION ODUCT (PART.6.9)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE : PASS

8.7 GROUP 7.

TEST ITEM	REQUIREMENT	RESULT
CONFIRMATION OF PRODUCT (PART. 7.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
SOLDERABILITY (PART. 7.2)	SOLDERABLE AREA SHALL HAVE MINIMUM OF 95 %SOLSER COVERAGE.	MEET REQUIREMENT.
CONFIRMATION OF PRODUCT (PART. 7.3)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE : PASS

8.8 GROUP 8.

EXAMINATION OF PRODUCT: (PART.8.1)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.
INSULATION RESISTANCE(PART. 8.2)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART. 8.3)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 8.4)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
RESISTANCE TO REFLOW SOLDERING HEAT (PART.8.5)	NO PHYSICAL DAMAGE SHALL OCCUR	MEET REQUIREMENT.
INSULATION RESISTANCE(PART. 8.6)	500MΩ **Min**	MEET REQUIREMENT.
DIELECTRIC WITHSTANDING VOLTAGE(PART. 8.7)	Current leakage :1 mA max	MEET REQUIREMENT.
LCR TEST(PART. 8.8)	INSPECTION OF TEST METHOD	PASS BE UP TO SPECIFICATION
EXAMINATION OF PRODUCT: (PART.8.9)	MEET REQUIREMENTS OF PRODUCT DRAWING.	NO EVIDENCE OF PHYSICAL DEFECTS.

JUDGE : PASS

TESTER: Quanyun Qi

LUXSHARE-ICT
SPEEDTECH

包装规范
PACKING SPECIFICATION

规范编号(FILE NO.)	PKG-RMG-0002
适用产品 Product name	RJ45 2X1 1G TYPE SERIES

REV.	ECN NO.	DESCRIPTION	APPROVED	DATE
A	DN1306065	新版發行	Richy	2013.07.02
B	DN1403029	增加粘貼標籤作業規範	Richy	2014.03.10
C1	ECN17-0000016264	RMG系列成品外箱OK單增加UL标识	Richy	2017.05.23

包 裝 材 料 明 細 (每 外 箱 用 量)
PACKING M'TL PARTS LIST(FOR 1 CARTON)

材料名稱 PART NAME	料號 PART NO.	N.W.(KG)	Q'TY
紙箱 /CARTON	220-101EZ0-001H		1
隔板 /CARDBOARD	222-D7A600-001H		1
TRAY(上蓋)	225-C5B300-015R		10
TRAY(底座)	225-C5B300-016R		10
天地板 /CARDBOARD	222-D7C600-001H		2
防水袋 /P.E. BAG	200-700F60-001H		1
乾燥劑 /SILICA GEL	095-0007-0133H		1
adhesive tape 膠帶	195-0008-0120H		

產品型號 PRODUCT NO.	包裝容量 / PACKING CAPACITY			重量 / WEIGHT	
	PCS/Tray	PCS/Pile	PCS / Carton	N.W. KG	G.W. KG
RMGXXX-XXXX-XXX-0R	40	200	400		
RM8XXX-XXXX-XXX-0R	40	200	400		
RM2XXX-XXXX-XXX-0R	40	200	400		

部门 DIVISION	RD	核定 APPROVED	Richy	审核 CHECKED	Cammy	制作 PREPARED	Emily	PAGE	1/3

LUXSHARE-ICT
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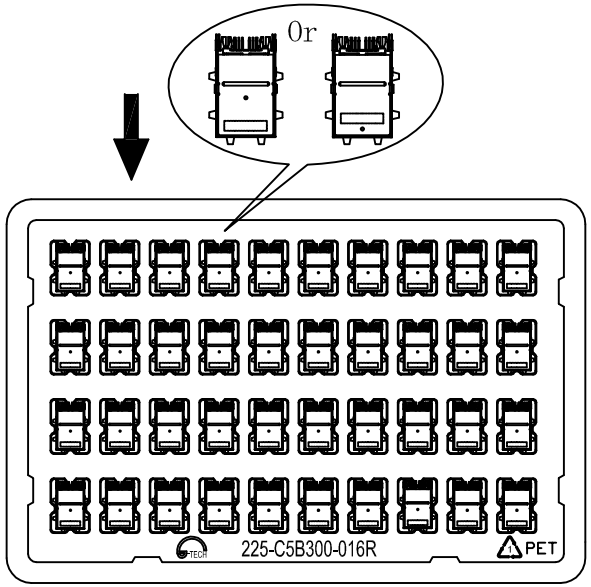
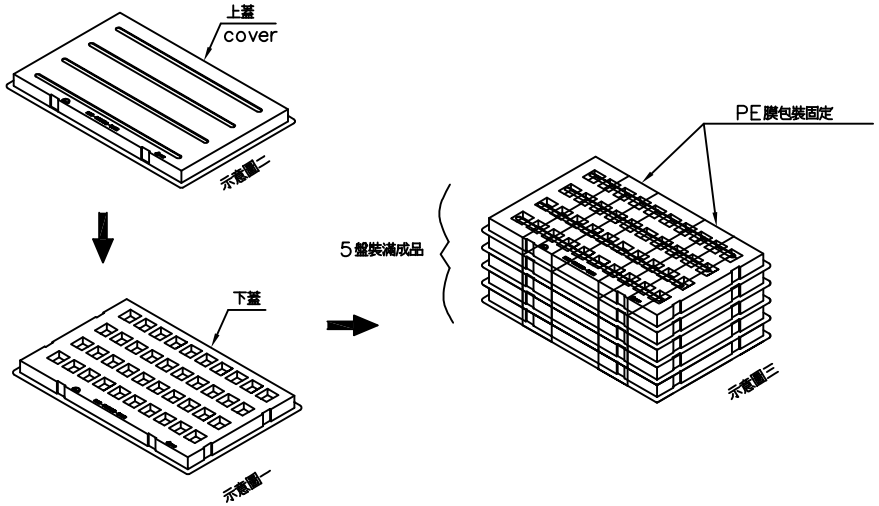
包装规范
PACKING SPECIFICATION

规范编号(FILE NO.) PKG-RMG-0002	适用产品: Product Name: RJ45 2X1 1G TYPE SERIES	PAGE	2/3
包装作业图示及说明(PACKING OPERATION DIAGRAM & INSTRUCTION)		REV.	C1

1－1. 將成品放入底座中(如示意圖一所示).
1－2. 放入底座中之成品, 背面朝底座之頂部, 如圖所示.
1－3. 每盤TRAY, 放滿40PCS成品.



2－1. 將每盤裝滿成品之底座, 並蓋上上蓋, 相疊至5盤裝滿成品(共200PCS), 用PE膜包裝固定.
2－2. 成品置於TRAY中, 注意TRAY(一上蓋配置一底座)堆疊需朝同一方向擺放.

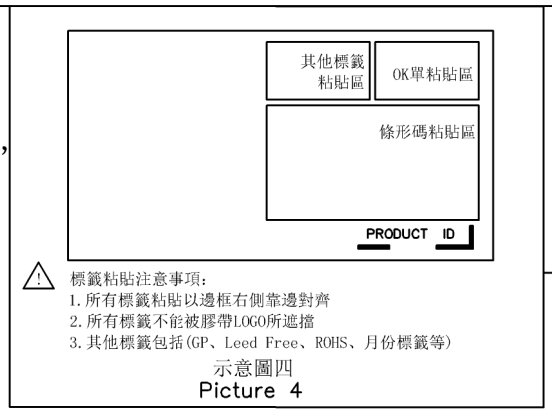


LUXSHARE-ICT
SPEEDTECH

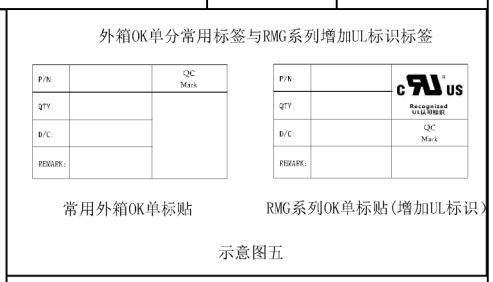
包装规范
PACKING SPECIFICATION

规范编号(FILE NO.) PKG-RMG-0002	适用产品: Product Name : RJ45 2X1 1G TYPE SERIES	PAGE	3/3
包装作业图示及说明(PACKING OPERATION DIAGRAM & INSTRUCTION)		REV.	C1

3-1. 將1PCS天地板放置於紙箱底部
3-2. 將一個防水袋撐開放置於紙箱內, 再放入一包乾燥劑
3-3. 將2疊成品(每疊7Tray)依次放入紙箱內(需注意產品擺放方向一致), 擺放平整後, 於兩疊成品中間插入1PCS隔板
3-4. 將防水袋折疊用膠帶封合
3-5. 將1 PCS天地板放置於產品頂部
3-6. 以膠帶封合紙箱, 封箱时内盖需保持平齐, 内盖下陷不能超过10mm, 外箱中部凸起不能超过8mm; 中部纸箱缝隙须小于3mm;
3-7. 外箱貼上成品包裝標籤（如示意圖四）
3-8. 成品包装标签OK单分为常用OK单标贴与RMG系列专用OK单标贴; （如示意圖五）



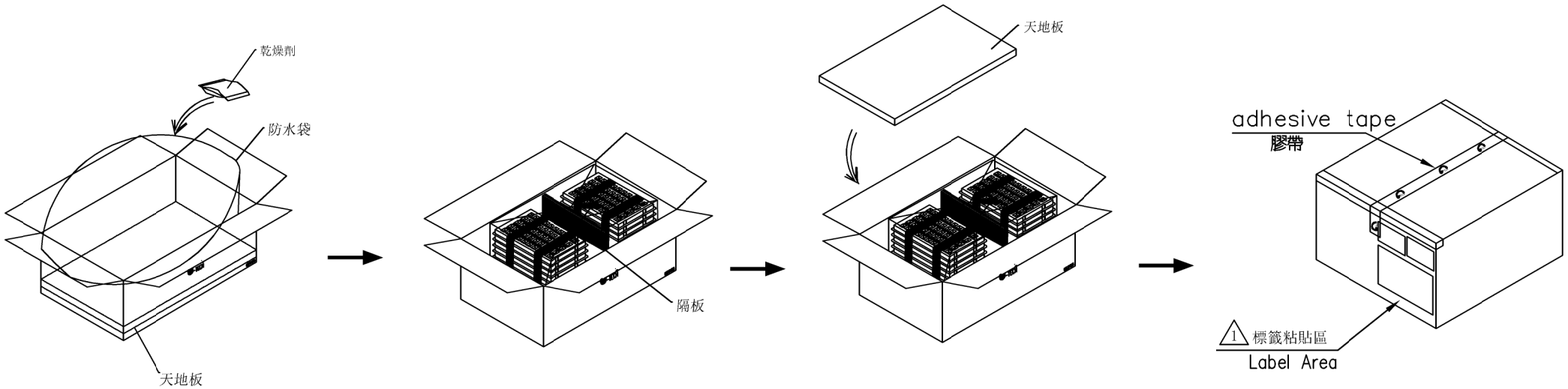
示意圖四
Picture 4



示意图五

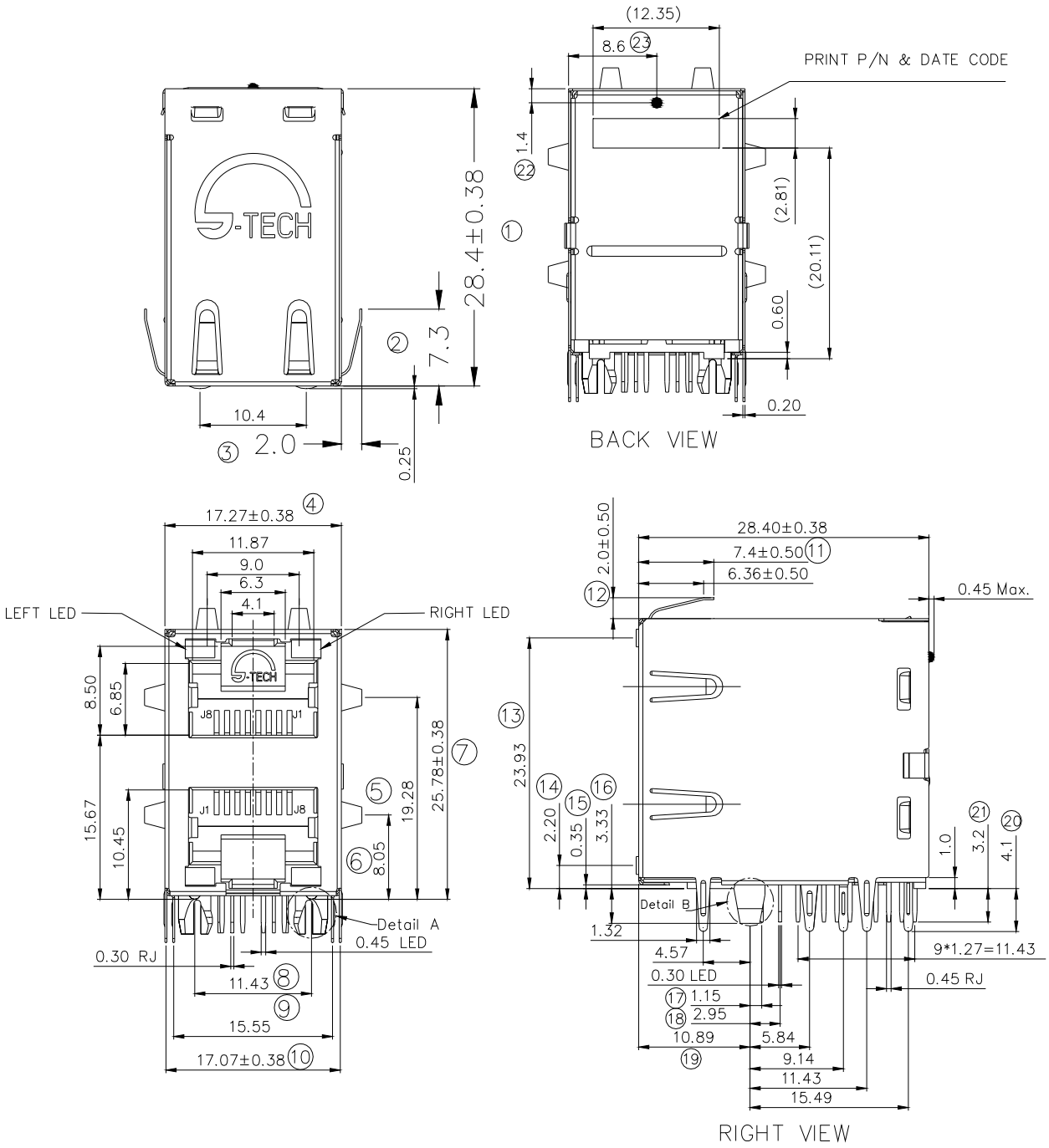
C1

C1



SPEEDTECH FAI Data Sheet

Part Number : RMG47A-BC35-FE0-0R						Supplier : **LUXSHARE**							Date: **2018.12.05**				New:		
Part Description : **RJ45 2X1**						ISR No :							Cavity / Tool # :				Revised:		
Revision : **XA**						Material Spec:							Inspector:				Resubmission:		
DRAWING SPECIFICATIONS						**INSPECTION RESULTS**							**INSPECTION ANALYSIS**						
		Factory Drawing			Inspection	Sample Number			Deviation from Nominal				% Tolerance		Alert/Reject		Supplier	RD Engineering	
ITEM	LOCATION	NOMINAL	+TOL	-TOL	Method				1	2	3	Mean	UPPER	LOWER	HIGH	LOW	Comment	Disposition	
1	1	**28.40**	0.38	0.38		*28.412*	*28.396*	*28.406*	*0.012*	*-0.004*	*0.006*	*28.4*	3%	1%					
2	2	**7.3**	0.38	0.38		*7.229*	*7.316*	*7.284*	*-0.071*	*0.016*	*-0.016*	*7.276*	4%	19%					
3	3	**2.0**	0.38	0.38		*1.769*	*1.803*	*1.776*	*-0.231*	*-0.197*	*-0.224*	*1.783*	0%	61%					
4	4	**17.27**	0.38	0.38		#####	*17.274*	*17.272*	*0.009*	*0.004*	*0.002*	*17.28*	2%	0%					
5	5	**19.3**	0.38	0.38		*19.284*	*19.279*	*19.286*	*0.004*	*-0.001*	*0.006*	*19.28*	2%	0%					
6	6	**8.1**	0.38	0.38		*8.060*	*8.052*	*8.080*	*0.010*	*0.002*	*0.030*	*8.064*	8%	0%					
7	7	**25.78**	0.38	0.38		*25.748*	*25.753*	*25.767*	*-0.032*	*-0.027*	*-0.013*	*25.76*	0%	8%					
8	8	**11.43**	0.25	0.25		*11.425*	*11.413*	*11.422*	*-0.005*	*-0.017*	*-0.008*	*11.42*	0%	7%					
9	9	**15.55**	0.25	0.25		*15.560*	*15.546*	*15.549*	*0.010*	*-0.004*	*-0.001*	*15.55*	4%	2%					
10	10	**17.07**	0.25	0.25		*17.058*	*17.064*	*17.052*	*-0.012*	*-0.006*	*-0.018*	*17.06*	0%	7%					
11	11	**7.4**	0.38	0.38		*7.499*	*7.487*	*7.492*	*0.099*	*0.087*	*0.092*	*7.493*	26%	0%					
12	12	**2.0**	0.38	0.38		*1.754*	*1.775*	*1.783*	*-0.246*	*-0.225*	*-0.217*	*1.771*	0%	65%					
13	13	**23.93**	0.25	0.25		*23.926*	*23.937*	*23.932*	*-0.004*	*0.007*	*0.002*	*23.93*	3%	2%					
14	14	**2.20**	0.25	0.25		*2.210*	*2.190*	*2.240*	*0.010*	*-0.010*	*0.040*	*2.213*	16%	4%					
15	15	**0.35**	0.25	0.25		*0.348*	*0.351*	*0.349*	*-0.002*	*0.001*	*-0.001*	*0.349*	0%	1%					
16	16	**3.33**	0.25	0.25		*3.328*	*3.332*	*3.340*	*-0.002*	*0.002*	*0.010*	*3.333*	4%	1%					
17	17	**1.15**	0.25	0.25		*1.148*	*1.152*	*1.150*	*-0.002*	*0.002*	*0.000*	*1.15*	1%	1%					
18	18	**2.95**	0.25	0.25		*2.955*	*2.948*	*2.951*	*0.005*	*-0.002*	*0.001*	*2.951*	2%	1%					
19	19	**10.89**	0.25	0.25		*10.889*	*10.887*	*10.892*	*-0.001*	*-0.003*	*0.002*	*10.89*	1%	1%					
20	20	**4.1**	0.38	0.38		*4.160*	*4.122*	*4.137*	*0.060*		*0.037*	*4.14*	16%	0%					
21	21	**3.2**	0.38	0.38		*3.219*	*3.226*	*3.197*	*0.019*	*0.026*	*-0.003*	*3.214*	7%	1%					
22	22	**1.4**	0.38	0.38		*1.413*	*1.397*	*1.421*	*0.013*	*-0.003*	*0.021*	*1.41*	6%	1%					
23	23	**8.6**	0.38	0.38		*8.625*	*8.631*	*8.607*	*0.025*	*0.031*	*0.007*	*8.621*	8%	0%					



Measuring Data Analysis

P/N ：	RMG47A-BC35-FE0-0R	Spec：	3.20	Upper LMT：	3.58	Inspector ：	PQE
Description ：	Pin脚長度	Sample Size：	32	Lower LMT：	2.82	Date：	2018/12/6

#	Data	#	Data	#	Data	#	Data
1	3.12	21	3.15	41		61	
2	3.27	22	3.23	42		62	
3	3.10	23	3.00	43		63	
4	3.05	24	3.28	44		64	
5	3.25	25	3.40	45		65	
6	3.26	26	3.27	46		66	
7	3.16	27	3.26	47		67	
8	3.20	28	3.28	48		68	
9	3.31	29	3.13	49		69	
10	3.27	30	3.26	50		70	
11	3.18	31	3.25	51		71	
12	3.35	32	3.12	52		72	
13	3.28	33		53		73	
14	3.26	34		54		74	
15	3.28	35		55		75	
16	3.26	36		56		76	
17	3.15	37		57		77	
18	3.27	38		58		78	
19	3.28	39		59		79	
20	3.33	40		60		80	

***** Process Capability Index -- Cp&Cpk *****

$$Cp = \frac{UpperLMT - LowerLMT}{6\sigma}$$

$$cpk \ \& \ ppk = (1 - |ca|) * cp$$

Cp = 1.436

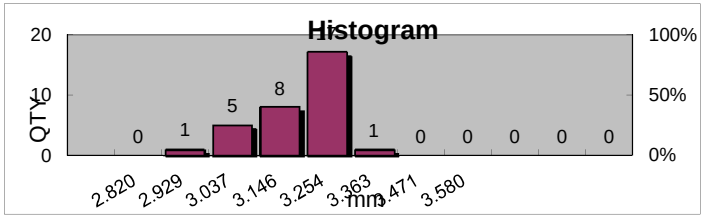
Cpk = 1.335

Max = 3.400 mm

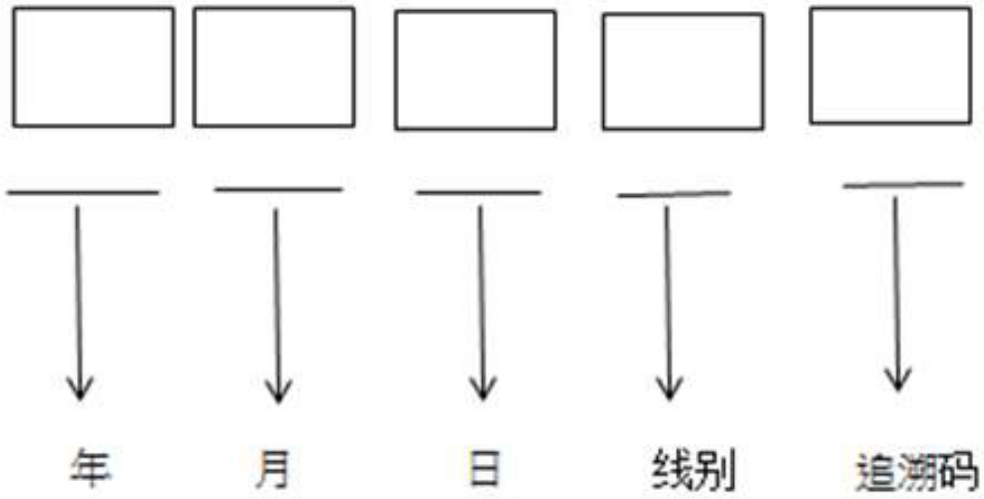
Min = 3.000 mm

Range = 0.400 mm

Out of Spec: 0 pcs



Sum： 103.26 Avg.： 3.2269 Std Dev. 0.0882 Unit: mm



2．产品编码说明：

2.1 年：2012=〉12　2013=〉13 …… 以此类推

2.2 月：01，02……12

2.3 日：依日期填写

2.4 线别：01,02,03,04……依线别

2.5 追溯码：

无：正常品 R: 表示重工品. N: 表示新旧料切换点专用码，新旧料切换: 以成品 ECN 切换为主，切换点追溯码。

东莞立德精密工业有限公司
膜厚报告

料号：0055-MG01-0005-G1

日期：2018/12/24

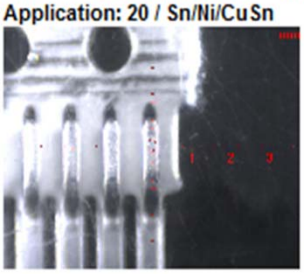
规格： Sn:100 u"MIN Ni:50-100u"

判定：OK

Fischerscope XRAY XULM 240

Product: 20 / Sn/Ni/CuSn Dir.: Fischer Block: 2494

Application: 20 / Sn/Ni/CuSn



n=	1	Sn 1 =	265.3 µ"	Ni 2 =	80.4 µ"	
n=	2	Sn 1 =	254.4 µ"	Ni 2 =	69.1 µ"	
n=	3	Sn 1 =	267.2 µ"	Ni 2 =	89.5 µ"	
n=	4	Sn 1 =	255.8 µ"	Ni 2 =	79.3 µ"	
n=	5	Sn 1 =	254.3 µ"	Ni 2 =	86.8 µ"	
n=	6	Sn 1 =	253.1 µ"	Ni 2 =	94.1 µ"	
n=	7	Sn 1 =	253.6 µ"	Ni 2 =	94.3 µ"	
n=	8	Sn 1 =	267.9 µ"	Ni 2 =	88.6 µ"	

Mean	259.0 µ"		85.25 µ"
Standard deviation	6.580 µ"		8.535 µ"
C.O.V. (%)	2.54	10.01	
Range	14.9 µ"		25.2 µ"
Number of readings	8	8	
Min. reading	253.1 µ"		69.1 µ"
Max. reading	267.9 µ"		94.3 µ"
Measuring time	5 sec		

Operator: IQC

Date: 2018/12/24 Time: 10:26:57

东莞立德精密工业有限公司
膜厚报告

料号：0055-MG01-0005-G1

日期：2018/12/24

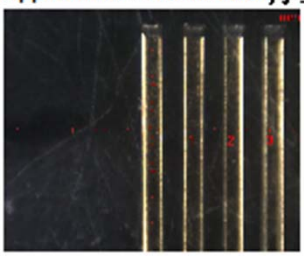
规格： AU: 50 u"MIN Ni:50-150u"

判定：OK

Fischerscope XRAY XULM 240

Product: 6 / Au/Ni/CuSn厚金 Dir.: Fischer Block: 3553

Application: 6 / Au/Ni/CuSn厚金



n=	1	Au 1 =	85.9 µ"	Ni 2 =	80.3 µ"		
n=	2	Au 1 =	68.4 µ"	Ni 2 =	60.1 µ"		
n=	3	Au 1 =	67.7 µ"	Ni 2 =	51.1 µ"		
n=	4	Au 1 =	64.9 µ"	Ni 2 =	57.1 µ"		
n=	5	Au 1 =	65.8 µ"	Ni 2 =	59.0 µ"		
n=	6	Au 1 =	67.8 µ"	Ni 2 =	61.9 µ"		
n=	7	Au 1 =	70.7 µ"	Ni 2 =	67.1 µ"		
n=	8	Au 1 =	78.1 µ"	Ni 2 =	70.5 µ"		
Mean			71.17 µ"		63.37 µ"		
Standard deviation			7.218 µ"		9.047 µ"		
C.O.V. (%)			10.14		14.28		
Range			21.0 µ"		29.2 µ"		
Number of readings			8		8		
Min. reading			64.9 µ"		51.1 µ"		
Max. reading			85.9 µ"		80.3 µ"		
Measuring time			5 sec				

Operator: IQC

Date: 2018/12/24 Time: 10:30:39

单击下面可查看定价，库存，交付和生命周期等信息

>>LUXSHARE