



SPECIFICATION FOR APPROVAL

DELEC		
MARKETING GROUP	R&D GROUP	QA GROUP
ISSUED BY	CHECKED BY	QA INSPECTION
Peter	Weide Li	Ting Liu

CUSTOMER

CUSTOMER APPROVAL:

APPROVAL CONCESSIONARY REJECTED

ISSUED BY : _____

CHECKED BY: _____

APPROVED BY: _____

CUSTOMER: _____

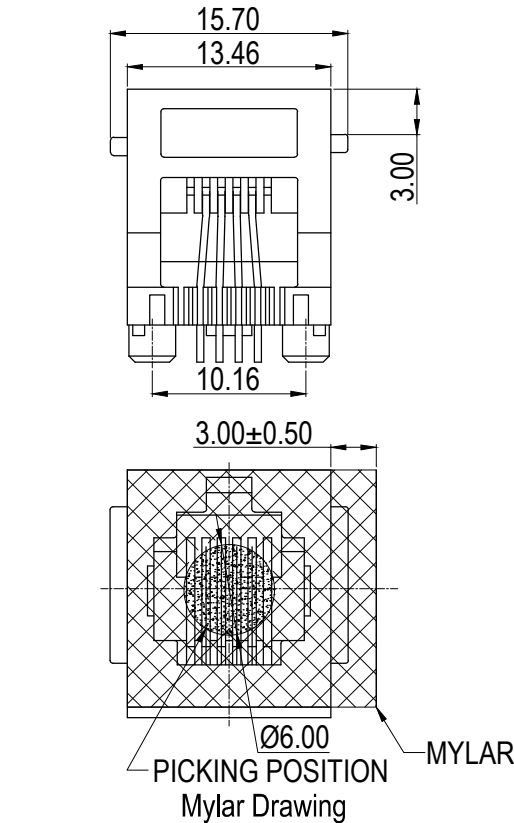
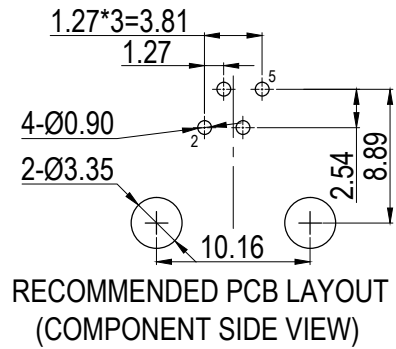
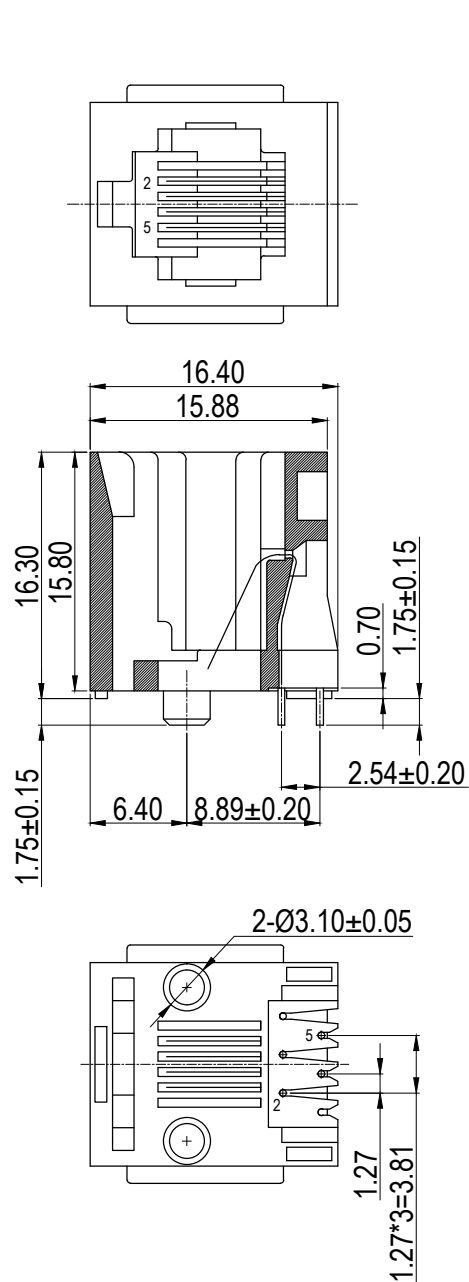
CUSTOMER PART NO: _____

SAMPLE Q'TY: _____

COMMENTS : _____

TITLE 6P4C(2,3,4,5) TOP ENTRY FLANGED PCB JACK WITHOUT SHIELDED				DELEC		东莞多亚电子有限公司 DONGGUAN DUOYA ELECTRONICS CO., LTD		
PART NO. DE52-3H21015-007				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
DRAW	Peter	DATE	2021-10-14	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 1/7	REV:G
CHECK	Peter	DATE	2021-10-14	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2021-10-14	.XXX±0.10				

MECHANICAL DIMENSION



SPECIFICATION AND PERFORMANCE



1 Scope

This specification covers the requirements for product performance, tests and quality assurance provisions for side entry PCB jack

2 Applicable document

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

3 Materials

Plastic Housing: Glass filled polyester PA6T UL 94V-0
 (Color : pantone Gray 3U)
 Contact: phosphor bronze $\varnothing=0.46\pm0.05$ mm round Pin
 Plating: 3 u" Gold plating over nickel
 PCB retention fre-solder: 1LB min.

4. Mechanical characteristics:

Durability: 750(modular jack) insertion/plug dimension cycles
 Mates with modular plug conforming to FCC part 68 subpart F

5. Electrical

Current rating: 1.5AMP
 Voltage rating: 125VAC max.
 Contact resistance: 30 milliohms max.
 Insulation resistance: 500 megohms min. @500 VDC.
 Dielectric strength: 1000 VAC RMS 60Hz, 1min.

6. Environmental:

Operating temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
 Storage temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

7. Applicable printed circuit board

The product is designed to meet the electrical, mechanical and environmental performance requirements specified in product drawing

8. UL INSPECTION E52579

9. PRODUCT WEIGHT: 2.83g

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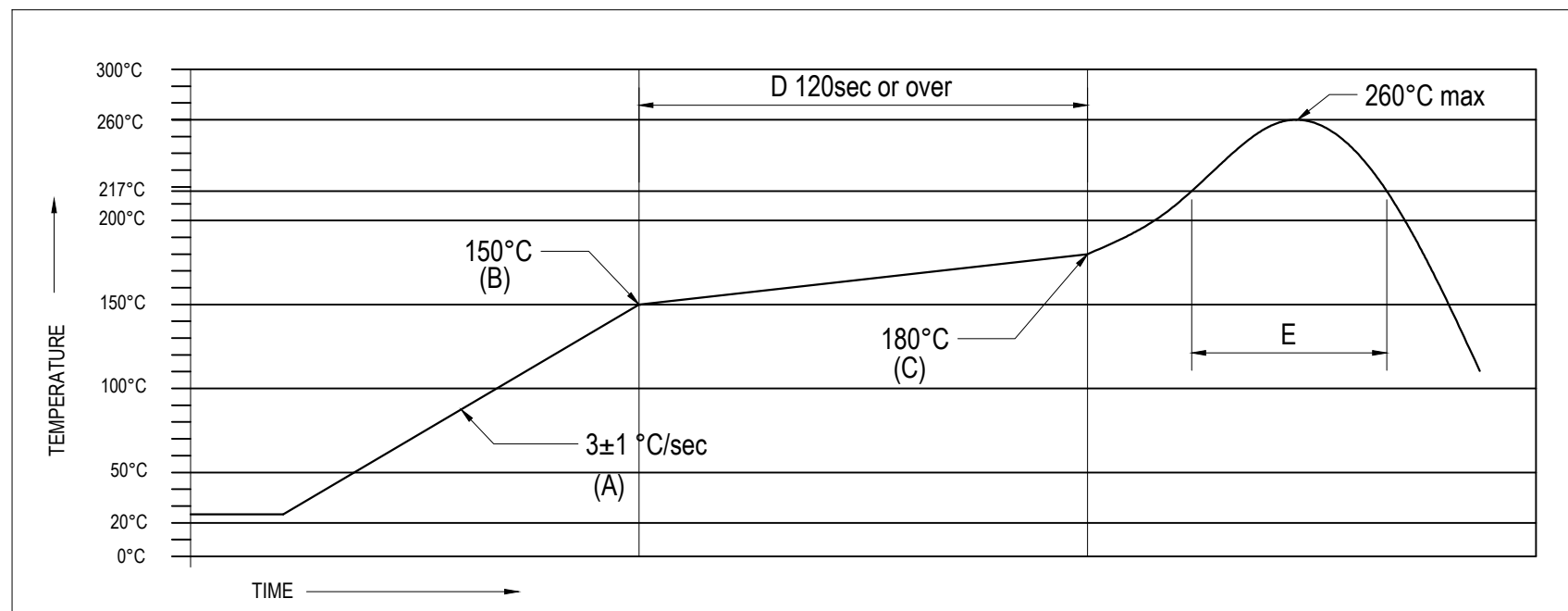
IR REFLOW TEMPERATURE PROFILE

(1). Temperature condition of IR reflow soldering.

Contents	Soldering Condition
A: Increasing	3±1 °C/sec
B: Pre-heat starting Temp	150°C
C: Pre-heat ending Temp	180°C
D: Pre-heat interval	120 sec or over
E: Over 220 °C time	60-150 sec
F: Peak Temperature	260°C Max 5sec

(2). The type of lead -free solder should be as below:

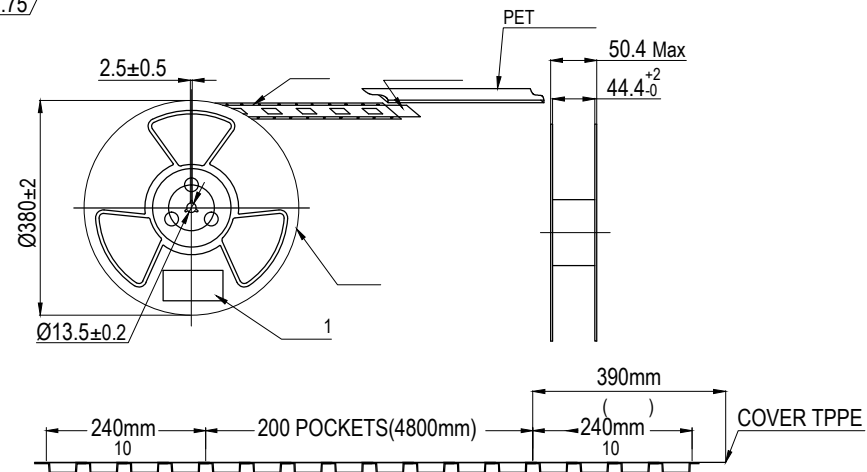
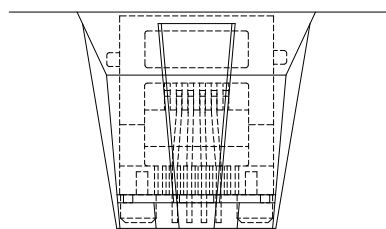
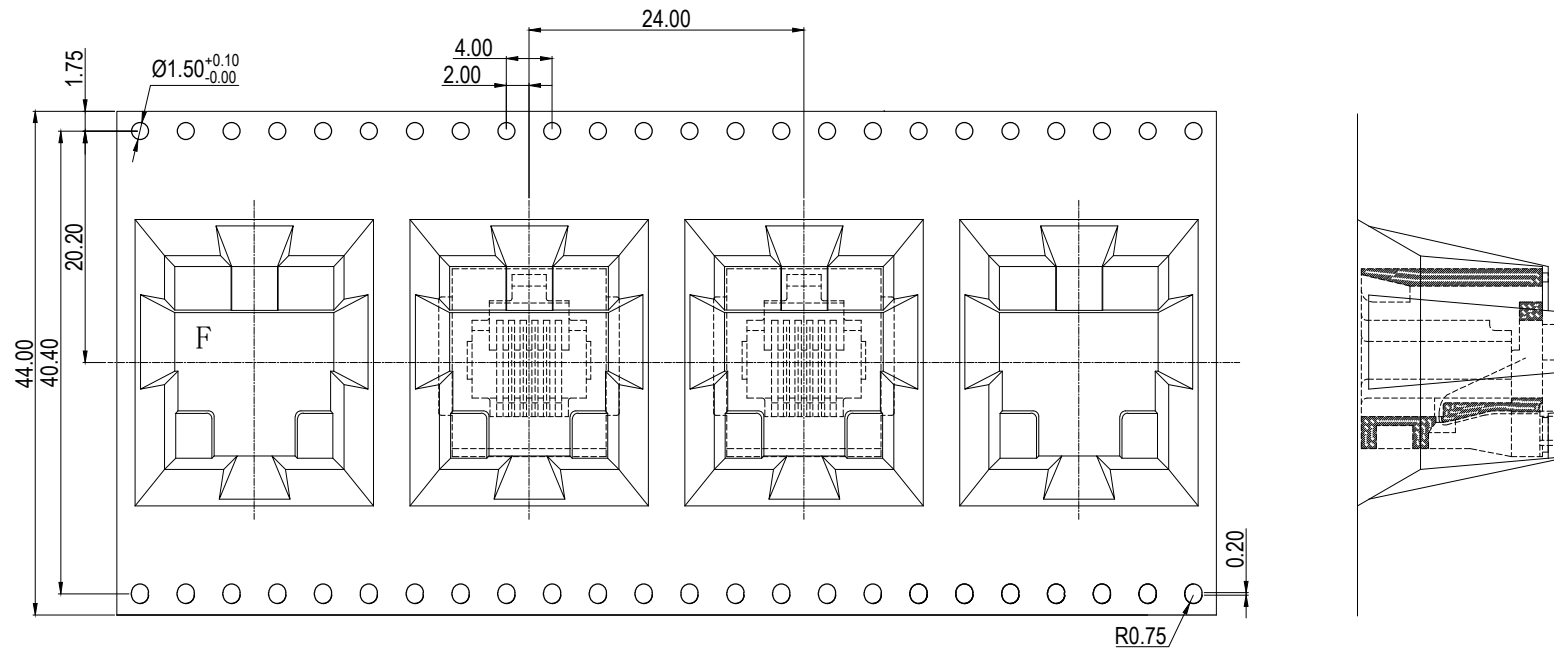
- (a). 96.5Sn - 3.0Ag - 0.5Cu
- (b). 99.3Sn - 0.7Cu
- (c). 95Sn - 5Sb



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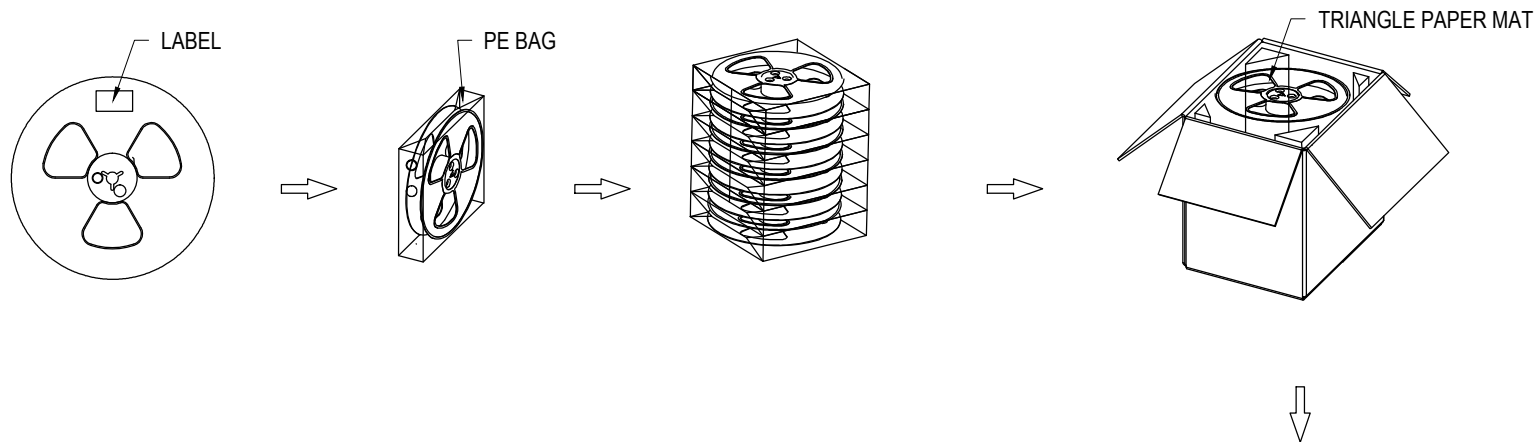
PACKAGE INFORMATION



1.

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PACKAGE INFORMATION



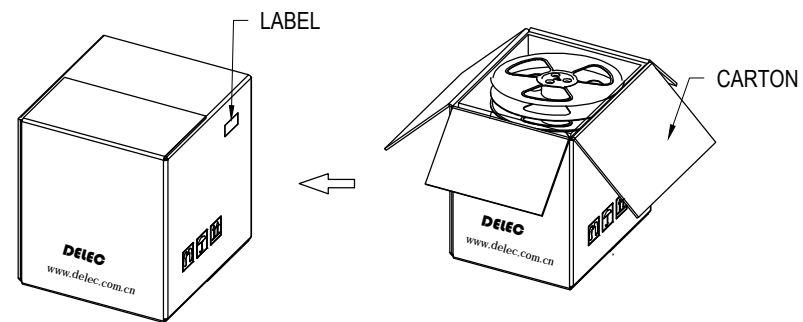
PACKING SPECIFICATION:

1 CARTON=7 REEL+4 TRIANGLE+7 WATERPROOF BAG=1400 PCS
 1 REEL=200 PCS

1. THE PRODUCT ACCORDING TO THE FIGURE IN THE REEL, 160PCS/REEL, EACH REEL SIDE LABELED, AFTER INTO THE WATERPROOF BAG, PUT THE DESICCANT IN THE WATERPROOF BAG.

2. CARTON AROUND THE TRIANGLE, 7 REEL/CARTON, USE TAPE SEALING, RELATIVE SHOULD BE LABELED AS REQUIRED SHOULD BE STANDARD SIGN (AS SHOWN)

3. PEEL STRENGTH: 0.1~1.3N
 STRIPPING SPEED: 300MM/MIN



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1 2 3 4 5 6 7 8

H

UL INSPECTION



Component - Plastics

E52579

MITSUI CHEMICALS INC

SHIODOME CITY CENTER, 1-5-2 HIGASHI-SHINBASHI, MINATO-KU TOKYO 105-7122 JP

E630N(e)

Polyamide 6T (PA6T), "Arlen", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.4	-	-	-	-	-	-
	0.75	V-0	-	-	120	110	110
	1.5	V-0	-	-	120	120	120
	3.0	V-0	-	-	120	120	120

Comparative Tracking Index (CTI):-
Dielectric Strength (kV/mm):-
High-Voltage Arc Tracking Rate (HVTR):-
Dimensional Stability (%):-

Inclined Plane Tracking (IPT):-
Volume Resistivity (10⁹ ohm-cm):-
High Volt, Low Current Arc Resis (D495):-

(e) -May be followed by 1 to 4 digits and/or letters except N and combinations starting with N. For grade CH230N(e)(r), letter H should also be excepted and for grade C240(e), letter V1 should also be excepted.

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: 2005-10-26

Last Revised: 2014-09-02

IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-0 (ALL)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	0.4	960
			0.75	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	0.4	960
			0.75	960
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-

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