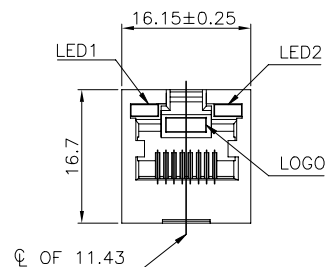
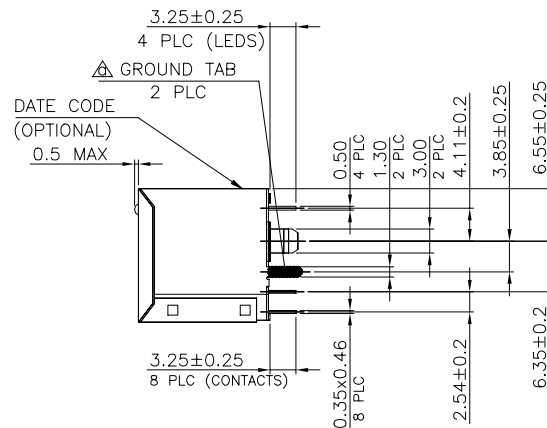
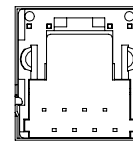
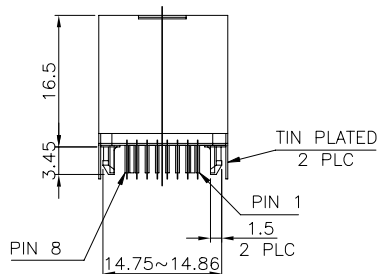


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LED SCHEMATIC	
LED1	LED2
GREEN	YELLOW
9-+10	11-+12

MODULAR JACK WITH LED



NOTE:

1. MATERIAL:

- 1.1 HOUSING: PA46, WITH 30% GF, UL94 V-0, BLACK COLOR.
- 1.2 CONTACTS: PHOSPHOR BRONZE.
- 1.3 SHELL: BRASS.
- 1.4 LED SOLDER TAIL: STEEL.

2. FINISH:

- 2.1 CONTACTS: (SEE TABLE) GOLD PLATED ON CONTACT AREA, GOLD FLASH ON SOLDER TAIL AREA, 1.27µm [50u"] MIN. NICKEL UNDERPLATING OVERALL.

SHELL: 0.508µm [20µ"] MIN. NICKEL PLATED.

a POST DIPPED WITH TIN ON PCB GROUND TABS.

LED SOLDER TAIL: 2.032µm [80µ"] MIN. BRIGHT-TIN PLATED.

3. LED MUST BE REFLOW COMPATIBLE TO FOLLOWING

TEMPERATURE PROFILE (FOR 1 CYCLE): ABOVE 160°C FOR 120 SECONDS, PEAKING AT 245°C FOR 20~40 SECONDS.

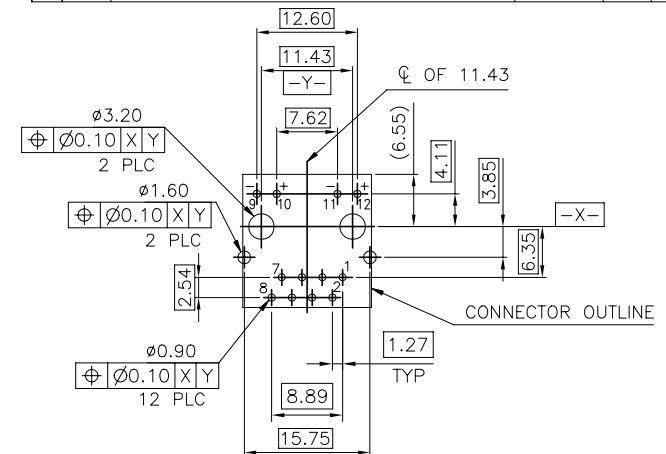
4. LED DEFECT RATE IS 6000PPM MAX. AFTER IR REFLOW PROCESS AS NOTE 3.

5. WAVE SOLDER CAPABLE TO 265°C PER TE SPEC 109-202, CONDITION B.

6. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

RECOMMENDED SUGGESTED PANEL CUTOUT

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



RECOMMENDED PCB LAYOUT
TOLERANCE: ±0.05 (TOP VIEW)

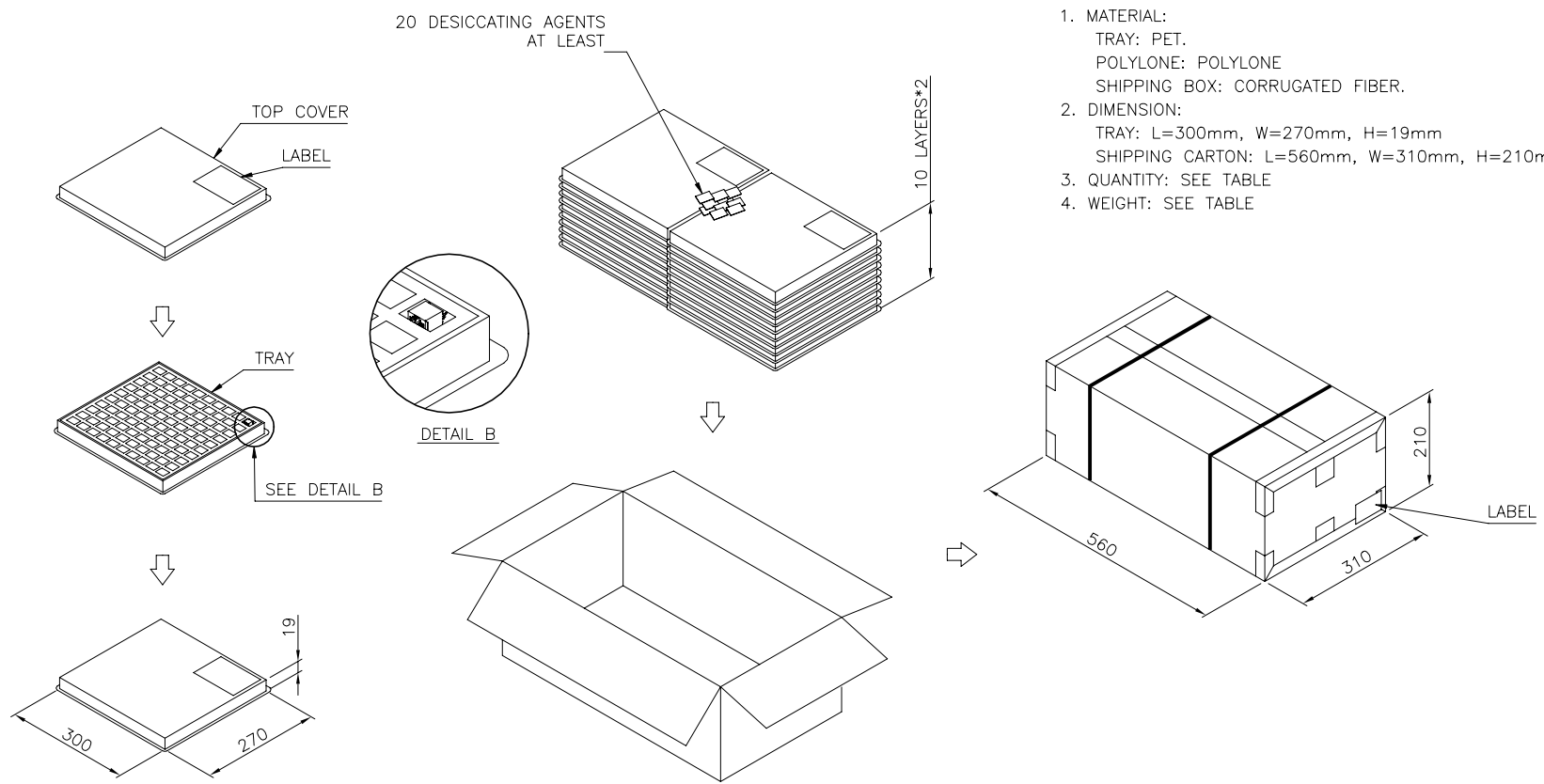
YELLOW	GREEN	0.762µm [30µ"]	7-1734577-3
LED2	LED1	MIN. GOLD THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. HSING 21JUL2009	TE Connectivity	
		CHK S. CHIEN 21JUL2009		
		APVD W. KODAMA 21JUL2009	NAME MODULAR JACK CONNECTOR RJ45, 8P8C, VERTICAL, DIP TYPE.	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	SIZE A3	
		0 PLC ± - 1 PLC ± 0.3 2 PLC ± 0.2 3 PLC ± 0.15 4 PLC ± - ANGLES ± 3'	CAGE CODE 00779	
MATERIAL SEE NOTE		FINISH SEE NOTE	DRAWING NO 1734577	
		WEIGHT -	RESTRICTED TO -	
		CUSTOMER DRAWING	SCALE 1:1	
			SHEET 3 of 6	
			REV D1	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

NOTES:

- MATERIAL:
TRAY: PET.
POLYLONE: POLYLONE
SHIPPING BOX: CORRUGATED FIBER.
- DIMENSION:
TRAY: L=300mm, W=270mm, H=19mm
SHIPPING CARTON: L=560mm, W=310mm, H=210mm
- QUANTITY: SEE TABLE
- WEIGHT: SEE TABLE

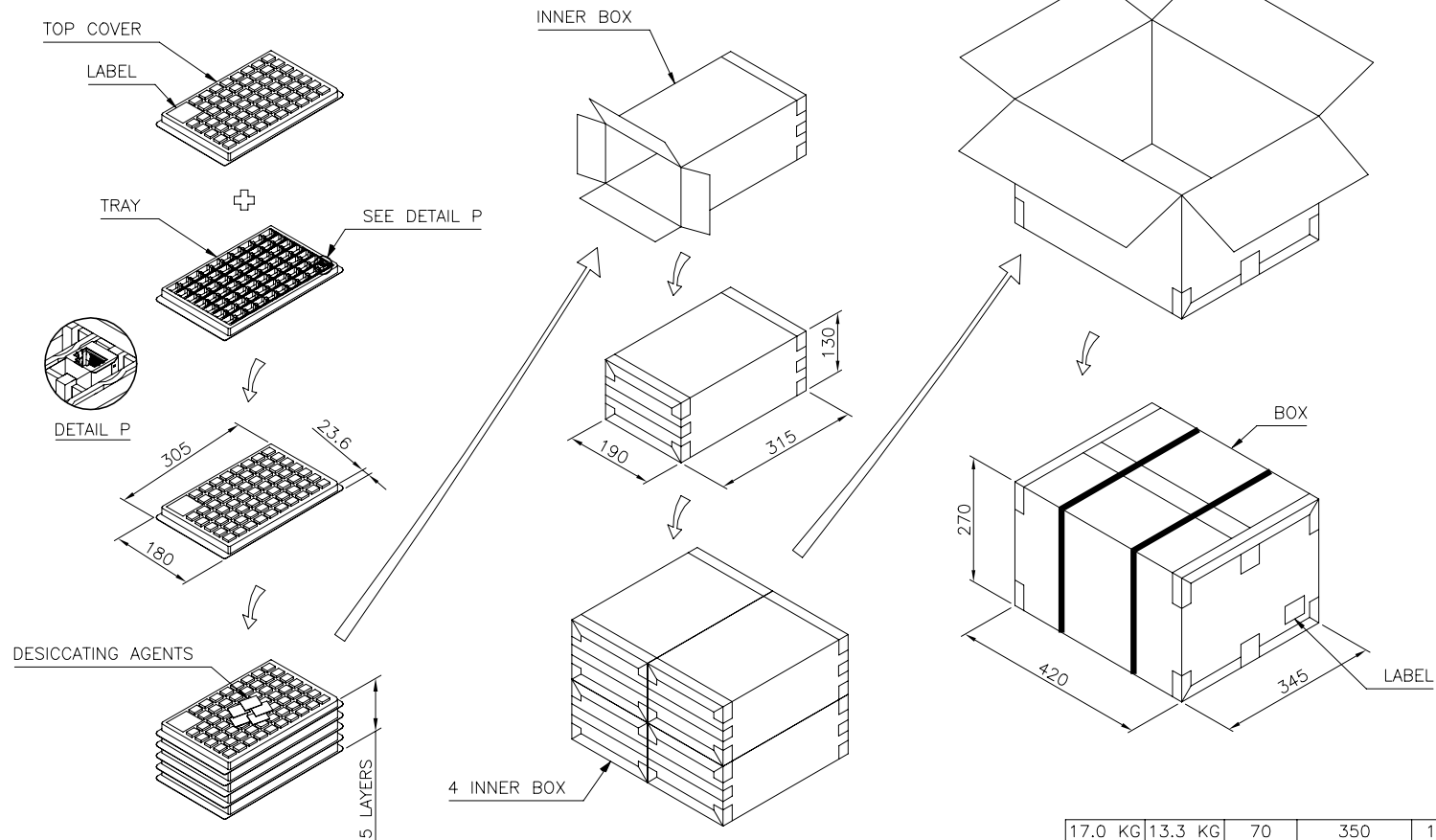


15 KG	13.3 KG	100	20	2000
GROSS WEIGHT	NET WEIGHT	PCS/ TRAY	TRAY/ BOX	PCS/ BOX

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. HSING 21JUL2009	 TE Connectivity	
		CHK S. CHIEN 21JUL2009		
		APVD W. KODAMA 21JUL2009		
DIMENSIONS: mm		PRODUCT SPEC	NAME MODULAR JACK CONNECTOR RJ45, 8P8C, VERTICAL, DIP TYPE.	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	SIZE A3	
0 PLC ± - 1 PLC ± 0.3 2 PLC ± 0.2 3 PLC ± 0.15 4 PLC ± - ANGLES ± 3°		WEIGHT -	CAGE CODE 00779	
MATERIAL SEE NOTE		FINISH SEE NOTE	DRAWING NO 1734577	
		CUSTOMER DRAWING	RESTRICTED TO -	
		SCALE 1:1	SHEET 4 OF 6	
			REV D1	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

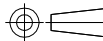
PACKAGE ONLY FOR 6-1734577-3



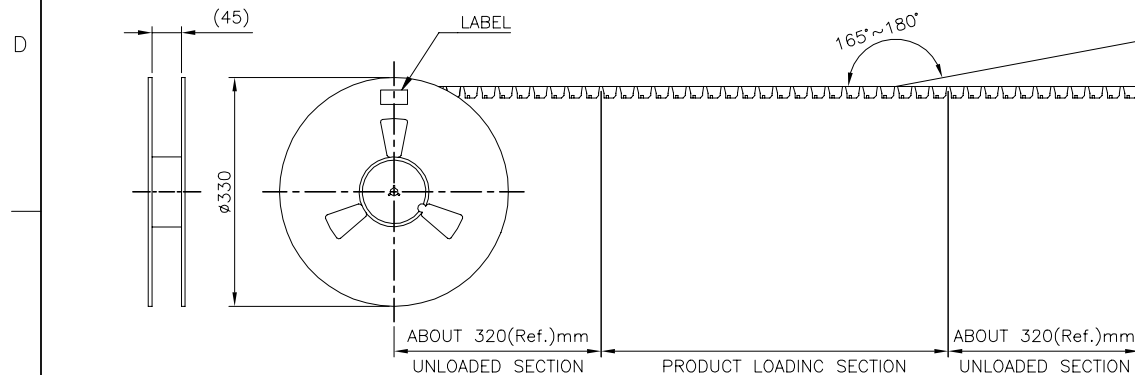
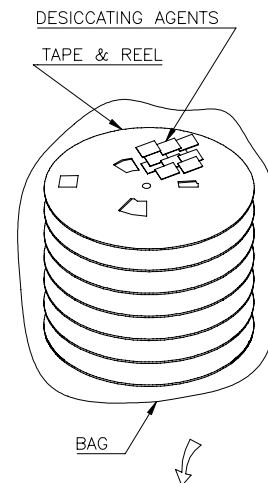
NOTES:

- MATERIAL:
TRAY: PET.
POLYLONE: POLYLONE
BOX: CORRUGATED FIBER.
- DIMENSION:
TRAY: L=308mm, W=180mm, H=23.6mm
INNER BOX: L=315mm, W=190mm, H=130mm
BOX: L=420mm, W=345mm, H=275mm
- QUANTITY: SEE TABLE
- WEIGHT: SEE TABLE

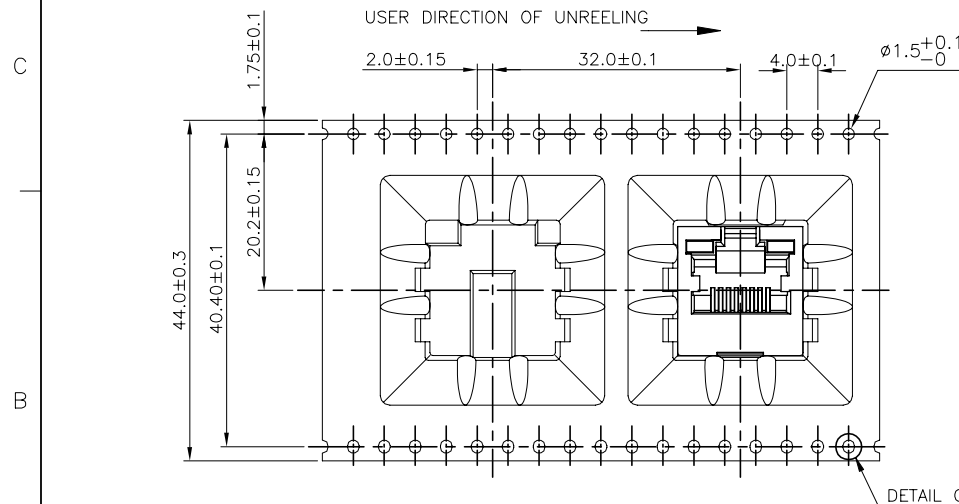
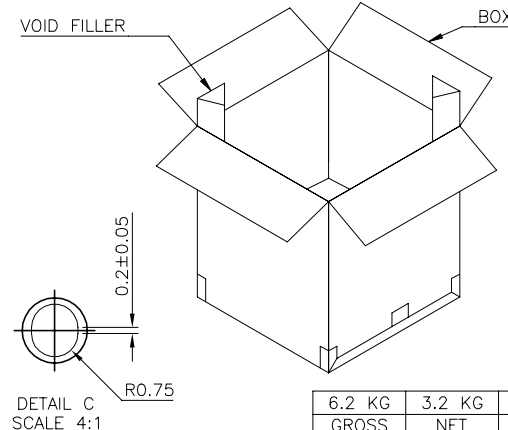
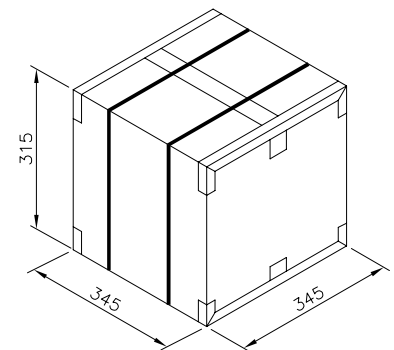
17.0 KG	13.3 KG	70	350	1400	6-1734577-3
GROSS WEIGHT	NET WEIGHT	PCS/ TRAY	TRAY/ INNER BOX	PCS/ BOX	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. HSING 21JUL2009	 TE Connectivity		
		CHK S. CHIEN 21JUL2009			
		APVD W. KODAMA 21JUL2009	NAME		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	MODULAR JACK CONNECTOR RJ45, 8P8C, VERTICAL, DIP TYPE.		
		0 PLC ± - 1 PLC ± 0.3 2 PLC ± 0.2 3 PLC ± 0.15 4 PLC ± - ANGLES ± 3°			
MATERIAL SEE NOTE		FINISH SEE NOTE	SIZE A3		
			CAGE CODE 00779		
			DRAWING NO C=1734577		
			RESTRICTED TO -		
			SCALE 1:1		
			SHEET 5 of 6		
			REV D1		
			CUSTOMER DRAWING		

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



- NOTE:
- PACKAGING MATERIAL:
 - COVER TAPE: COMPOSITE OF POLYETHYLENE TEREPHTHALATE (PET)
 - CARRIER: POLYSTYRENE (PS)
 - CARRIER REEL: POLYSTYRENE
 - BAG: PET
 - BOX: CORRUGATED FIBER.
 - EACH BAG SHALL BE INCLUDED: *DESICCANT
 - PEELING STRENGTH: 0.1~1.3N(1~130 GRAMS) FOR 12~56mm WIDE CARRIER TAPES
 - PEELING SPEED: 300mm/MINUTES.



6.2 KG	3.2 KG	80	6	480	8-1734577-1
GROSS WEIGHT	NET WEIGHT	PCS/ REEL	REEL/ BOX	PCS/ BOX	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. HSING 21JUL2009		 TE Connectivity	
		CHK S. CHIEN 21JUL2009			
		APVD W. KODAMA 21JUL2009			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± -		MODULAR JACK CONNECTOR RJ45, 8P8C, VERTICAL, DIP TYPE. -	
		1 PLC ± 0.3			
		2 PLC ± 0.2			
		3 PLC ± 0.15			
		4 PLC ± -			
		ANGLES ± 3°			
MATERIAL		FINISH		SIZE	
SEE NOTE		SEE NOTE		CAGE CODE	
				DRAWING NO	
				RESTRICTED TO	
WEIGHT		A3 00779		C=1734577	
CUSTOMER DRAWING		SCALE		SHEET	
		1:1		6 of 6	
				REV D1	

MODULAR JACK, SIDE ENTRY, SINGLE / MULTI-PORT**1. SCOPE****1.1. CONTENTS**

This specification covers the performance, tests and quality requirements for the **MODULAR JACK, SIDE ENTRY, SINGLE / MULTI-PORT**.

1.2. QUALIFICATION

When tests are performed on the subject product line, the procedures specified in Tyco 109 series specifications shall be used. All inspections shall be performed using the applicable inspection plan and product drawing.

2. APPLICABLE DOCUMENT

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

2.1. TYCO SPECIFICATIONS

- A. 109-1: General Requirements for Test Specifications
- B. 109-197 : Tyco Specification vs EIA and IEC Test Methods
- | C. 501-57XXX : Test Report

3. REQUIREMENTS**3.1. DESIGN AND CONSTRUCTION**

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

3.2. MATERIALS

- A. Housing : Thermoplastic or Thermoplastic High Temp., UL94V-0.
- B. Contact : Copper Alloy, Gold plating on contact area, Gold flash or Tin Plating on soldertail over Nickel underplating overall.
- | C. Shield : Copper Alloy, Tin or Nickel plating overall.

DR	DATE	CHK	DATE
Oblic Hu	17-Mar-2006	Wei-Jer Ke	17-Mar-2006

3.3. RATINGS

- A. Voltage: 150 VAC Max.
- B. Current: 1 A Max.
- C. Temperature: -40°C to +85°C.

3.4. PERFORMANCE REQUIREMENT AND TEST DESCRIPTION

The product shall be designed to meet the electrical, mechanical and environmental performance requirements specified in Figure 1.

3.5. TEST REQUIREMENTS AND PROCEDURES SUMMARY

TEST ITEM	REQUIREMENT	PROCEDURE
Examination of product	Meets requirements of product drawing and Tyco Specification.	Visual inspection No physical damage.
ELECTRICAL		
Contact Resistance	[40] m Ohm Max(Initial) [50] m Ohm Max(Final)	Contact resistance was measured as detailed in Figure I. The voltage drop shall be measured between point A and point B. Current was set at 100 mA with the open circuit. The contact resistance to be measured. Subject mated jack and plug assembly. Refer to Fig.3. EIA-364-23A
Dielectric withstanding Voltage	No creeping discharge or flashover shall occur. Current leakage: 0.5 mA MAX	1000 VAC rms, for 1 minute applied between adjacent contacts. 1500 VAC rms, for 1 minute applied between shield and contacts. EIA-364-09B
Insulation Resistance	[500] M Ohm Min.(Initial) [200] M Ohm Min.(Final)	100 VDC Adjacent circuits of mated connectors. EIA-364-20A
MECHANICAL		
Connector Mating Force	2 contacts 1.6 Kgf max. 4 contacts 1.8 Kgf max. 6 contacts 2.1 Kgf max. 8 contacts 2.3 Kgf max. 10 contacts 2.5 Kgf max.	Operation Speed: [600] mm/min. Measure the force required to mate connector. EIA-364-13B
Durability	See Note	Operation speed: 10~20 cycles /min. Operation cycles: 750 cycles. EIA-364-09B
Contact Normal Force	100g Min.	The samples were measured by a compression / tensile force tester, in accordance with MIL-STD-1344A, Method 2014. The contact normal force was measured using gage (φ 0.56 mm diameter pin) Which is shifted from h2 vertically to the h1 horizontal position, as detailed in Fig.4

Figure 1 (Cont.)

ENVIRONMENTAL		
Resistance to Wave Soldering Heat	No physical damage shall occur.	Solder Temp. : 240±5°C , 10±0.5sec. Tyco spec. 109-202, Condition A
Resistance to Wave Soldering Heat	No physical damage shall occur.	Solder Temp. : 265±5°C , 10±0.5sec. Tyco spec. 109-202, Condition B
Resistance to Wave Soldering Heat	No physical damage shall occur.	Solder Temp. : 260±5°C , 10±0.5sec. Tyco spec. 109-202, Condition C
Resistance to Reflow Soldering Heat	No physical damage shall occur.	Pre Heat : 100~150°C , 60 sec Max. Heat: 210°C Min., 30 sec Max. Peak Temp. : 240°C Max., 10±0.5sec.
Resistance to Reflow Soldering Heat	No physical damage shall occur.	Pre-soak condition, 85°C/85% RH for 168 hours. Pre Heat: 150~180°C , 90±30sec. Heat: 230°C Min., 30±10sec. Peak Temp. : 245+0/-5°C , 10~30sec. Duration: 3 cycles Tyco spec. 109-201, Condition A
Resistance to Reflow Soldering Heat	No physical damage shall occur.	Pre-soak condition, 85°C/85% RH for 168 hours. Pre Heat: 150~180°C , 90±30sec. Heat: 230°C Min., 30±10sec. Peak Temp. : 260+0/-5°C , 20~40sec. Duration: 3 cycles Tyco spec. 109-201, Condition B
Solderability	The inspected area of each lead must have 95% solder coverage minimum.	Steam Aging Preconditioning : (1) Tin 、Tin-Cu Coating: 93+3/-5°C 、100% HR 、8hrs. <J-STD-002 category 3 aging> (2) Other Coating: 93+3/-5°C 、100% HR 、1hrs. <J-STD-002 category 2 aging> Solder pot temperature: 245±5°C , 5sec
Temperature Life (Heat Aging)	See Note	Mated Connector 85°C , 250 hours, EIA-364-17B.
Humidity Test	At a temperature of 40°C±2°C and relative humidity of 90~ 95% for 96 hours.	MIL-STD-1344A, Method 1002.2
Salt Spray	No detrimental corrosion allowed in contact area and base metal exposed.	Subject mated connectors to 35+/-2 °C and 5+/-1% salt condition for 48hours. After test, rinse the sample with water and recondition the room temperature for 1 hour. EIA-364-26B.

Figure 1 (End)

NOTE : Shall meet visual requirements, show no physical damage, and meet requirement of additional tests as specified in the test sequence in Figures 2

3.6. PRODUCT QUALIFICATION AND REQUALIFICATION TEST

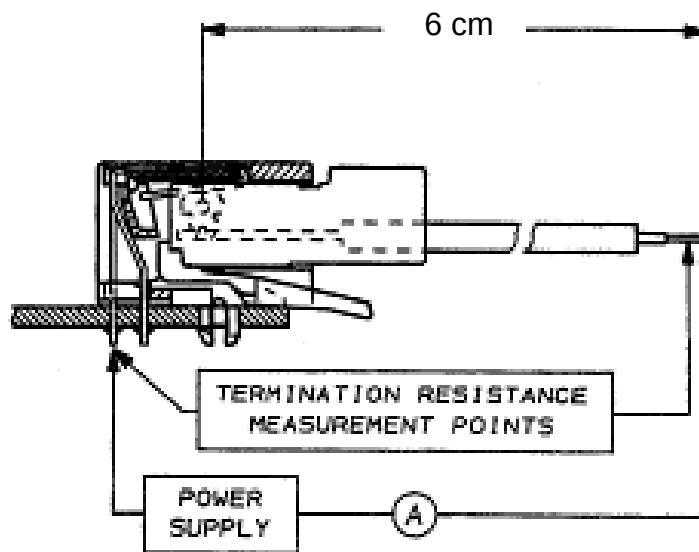
Test or Examination	Test Group							
	A	B	C	D	E	F	G	H
	Test Sequence (a)							
Examination of Product	1, 7	1, 7	1, 5	1, 5	1, 3	1, 3	1, 5	
Contact Resistance		2, 6	2, 4	2, 4			2, 4	
Dielectric withstanding Voltage	3, 6							
Insulation Resistance	2, 5							
Mating Force		3, 5						
Durability		4						
Contact Normal Force								1
Solderability						2		
Resistance to Soldering Heat					2			
Temperature Life						3		
Humidity Test							3	
Salt Spray				3				

Figure 2

NOTE : (a) Numbers indicate sequence in which tests are performed.

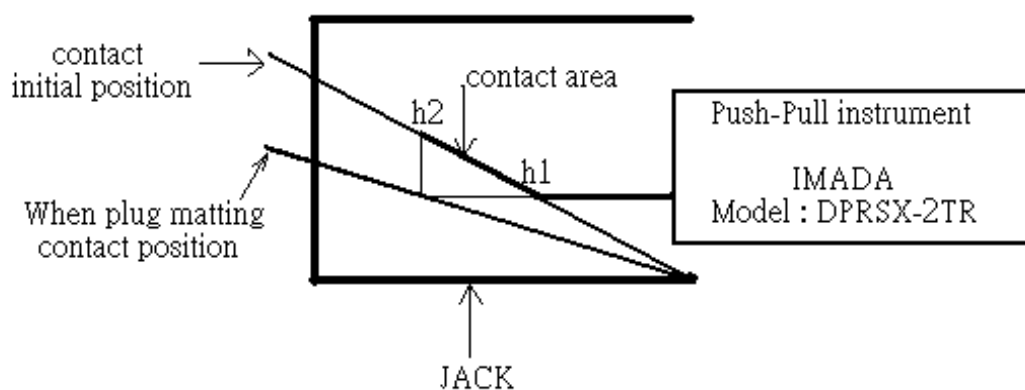
(b) Discontinuities shall not take place in this test group, during tests.

Figure 3. Contact Resistance



Note: Resistance of 6 cm wire length and contact pin shall be subtracted from all reading.

Figure 4. Contact Normal Force



Contact area (from h1 to h2) is the trace of attrition , when plug matting

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勝特力電材超市-光復店 886-3-5729570
勝特力電子(上海) 86-21-34970699
勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>