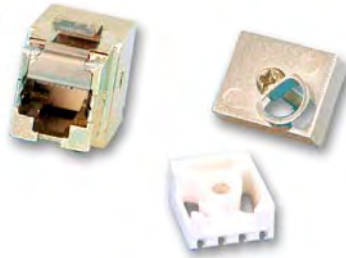




登騏企業股份有限公司  
DAN-CHIEF ENTERPRISE CO., LTD.  
CABLING SYSTEM



## Cat.5e Top Entry FTP Tool-free Keystone Jack



### Introduction :

Provides the best performance on EMS and EMI. Non-punch down, ease of installation ( even with an electrical screwdriver). Can be mounted into an EIA 19" 24 port 1U panel.

### Specification :

UL certified, patented, meets FCC parts 68 Meets TIA/EIA 568-B-2 Category 5e requirement Rated to 1000 Mbps applications

### Ratings:

Temperature: -88°F to 150°F (-40°C to 68°C) Plug Retension Force: 30 Lbs minimum  
Plug & Jack Contact Force: 100 grams with FCC-approved plug Plug Insertion Life: 750 cycle minimum

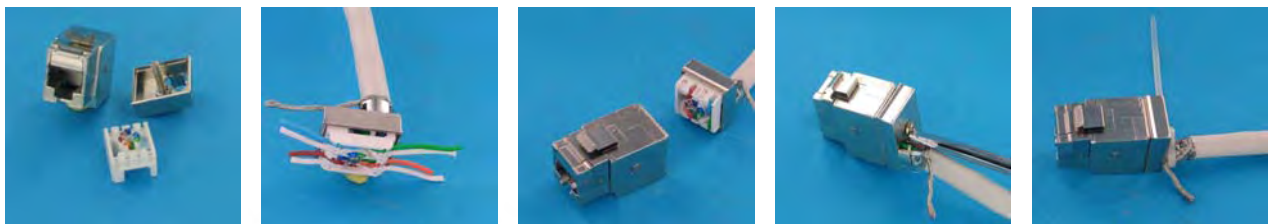
### PHYSICALS:

Housing: Zinc Alloys Zamac 5  
Wiring: 50 microinches of gold over nickel.  
Connector IDC accepts 22~26 AWG solid / 24 AWG stranded.

### How to order:

3013A-FS8-C5eBL	Mini Top Entry FTP Tool-free Keystone Jack
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### Installation



TEL : +886 2 2664 2008 FAX : +886 2 2664 2328 E-mail : dce@danchief.com URL : www.danchief.com  
4F., No. 12, Lane 270, Sec. 3, Pei Shen Rd., Shen Keng Shiang, Taipei County 222, Taiwan, R.O.C.



**Cable ID: NO.F8FS**

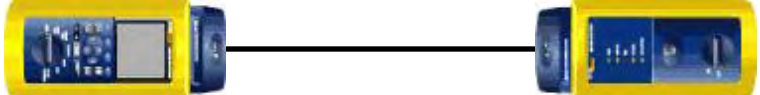
**Test Summary: PASS**

Date / Time: 05/29/2006 11:08:20am  
**Headroom: 8.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: ScTP 100 Ohm Cat 5e  
 Fault Anomaly Threshold: 15%

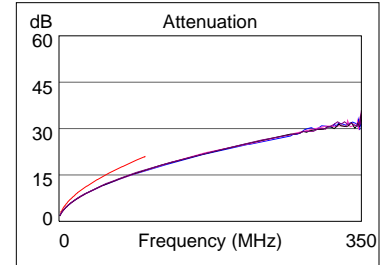
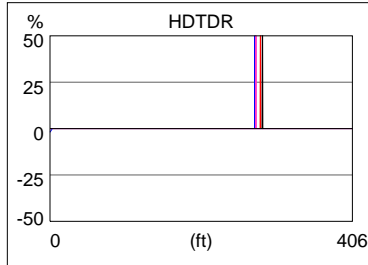
Operator: Your Name  
 Software Version: 1.921  
 Limits Version: 5.13C  
 NVP: 69.0%  
 Shield Test: Disable

Model: DSP-4300  
 Main S/N: 8127012  
 Remote S/N: 8127012  
 Main Adapter: PM- 006  
 Remote Adapter: PM- 006

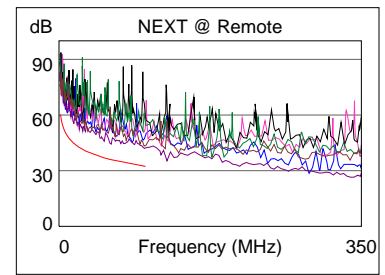
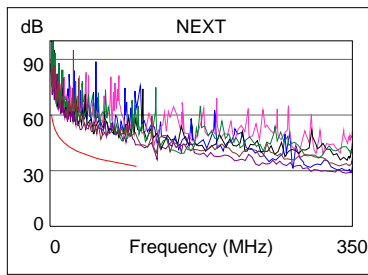
Wire Map	1 2 3 4 5 6 7 8 S
<b>PASS</b>	
	1 2 3 4 5 6 7 8



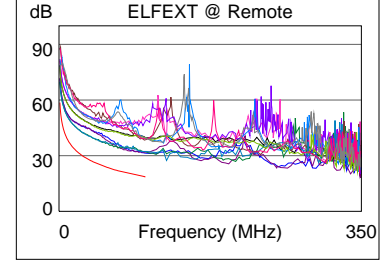
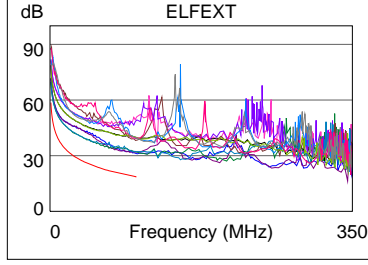
Length (ft), Limit 295	[Pair 36]	269
Prop. Delay (ns), Limit 498	[Pair 78]	411
Delay Skew (ns), Limit 44	[Pair 78]	15
Resistance (ohms)		N/A
Attenuation (dB)	[Pair 78]	4.3
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	21.0



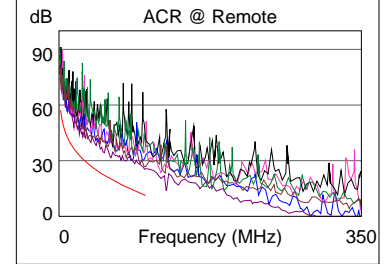
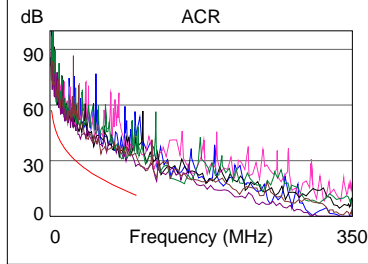
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	36-45	36-45
<b>NEXT (dB)</b>	10.0	8.3	10.4	8.9
Freq. (MHz)	59.2	60.2	99.6	99.4
Limit (dB)	36.1	36.0	32.3	32.4
Worst Pair	45	45	45	45
<b>PSNEXT (dB)</b>	11.8	9.3	11.9	9.3
Freq. (MHz)	59.4	99.4	99.6	99.4
Limit (dB)	33.0	29.4	29.3	29.4



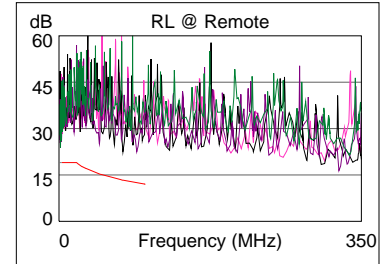
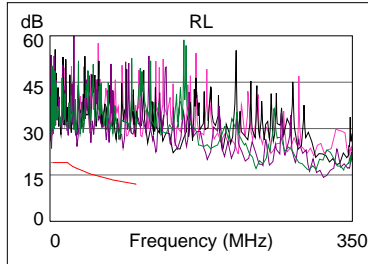
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
<b>ELFEXT (dB)</b>	10.6	10.6	12.6	12.7
Freq. (MHz)	1.1	1.1	99.0	99.2
Limit (dB)	57.8	57.8	18.7	18.7
Worst Pair	36	36	36	36
<b>PSELFEXT (dB)</b>	12.0	11.9	12.6	12.9
Freq. (MHz)	1.1	68.8	99.0	99.8
Limit (dB)	54.8	18.8	15.7	15.6



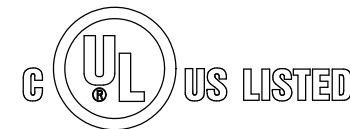
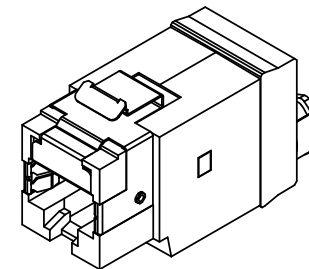
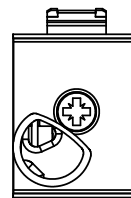
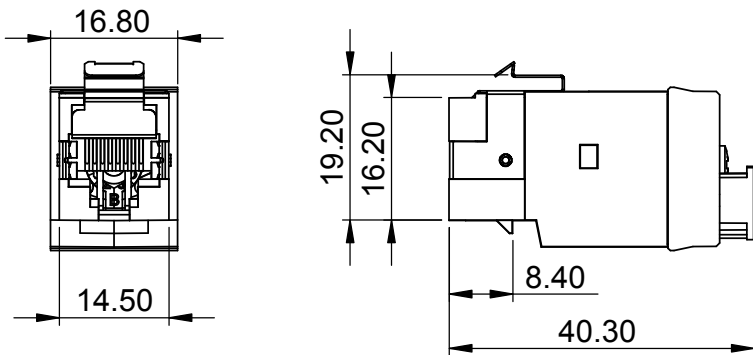
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	36-45	36-45
<b>ACR (dB)</b>	13.1	11.4	14.8	13.4
Freq. (MHz)	59.2	51.6	99.6	99.4
Limit (dB)	20.3	22.4	11.4	11.4
Worst Pair	36	36	45	45
<b>PSACR (dB)</b>	14.0	12.6	16.3	13.8
Freq. (MHz)	17.4	23.7	99.6	99.4
Limit (dB)	33.4	29.8	8.4	8.4



	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	36
<b>RL (dB)</b>	7.1	9.2	11.1	9.2
Freq. (MHz)	31.2	74.0	84.6	74.0
Limit (dB)	17.1	13.3	12.7	13.3



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T    ATM-25            ATM-51  
 ATM-155       100VG-AnyLan   TR-4  
 TR-16 Active    TR-16 Passive



Cat 5e  
 UL CERTIFIED  
 FILE NO.E145249  
 ACCORDING TO TIA/EIA-568-B-2  
 REQUIREMENTS

## Physical Specification

Jack housing: Zinc Alloys Zamac 5

Bracket: SUS304

Spring wire: Phosphor Bronze 5100W temper wire 50u" Gold over 100u" Nickel undercoat

IDC housing: ABS high-impact UL94V-0 thermoplastic

IDC contact: Phosphor Bronze C5191R-H, t=0.4mm, 200u" Tin over 60u" Nickel undercoat

Rear case: Zinc Alloys Zamac 5

Operating Temperature Range: -10°C to 60°C

Storage Temperature Range: -40°C to 68°C

Humidity: 10%~90%RH

## Electrical

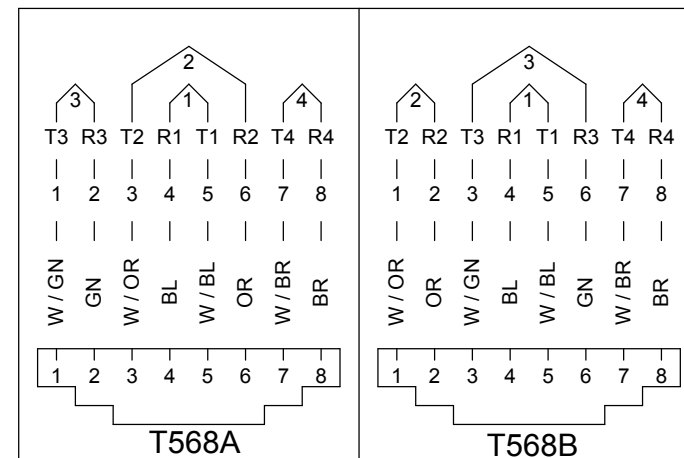
Insulation resistance: 500 MΩ

Dielectric withstanding voltage: 1000 V

DC current rating: 1.5 Amps

DC resistance: 0.1Ω

Contact resistance: 20mΩ



Scale	1:1	ALL COPY RIGHTS RESERVED	
3rd Angle Projection		DAN-CHIEF ENTERPRISE CO.,LTD.	
Unit	mm	Title	
Material		3013A-FS8-C5eBL-XX	
Color		Drawn by	Checked by
Date	2006/6/1	Allen Li	

TOLERANCE				
~20	~50	~150	150~	ANGLE
±0.20	±0.40	±0.50	±1.50	±2°