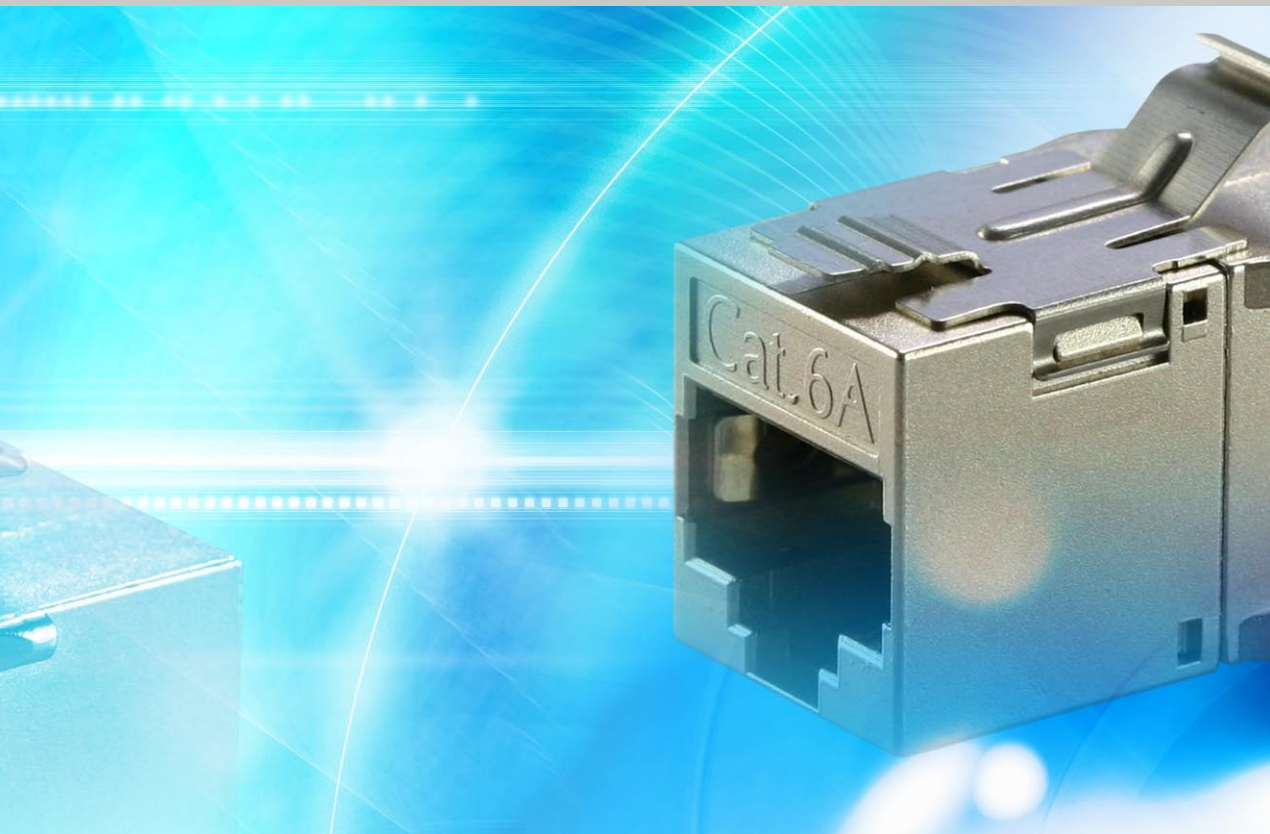


## Cat.6A Die-Casting Coupler



- Qualified Cat.6A/Class E<sub>A</sub> (10G/500MHz)
- TIA/EIA-568-B.2-10
- IEC 60603-7-51
- ISO/IEC 11801 2nd Edition
- EN 50173 2nd Edition

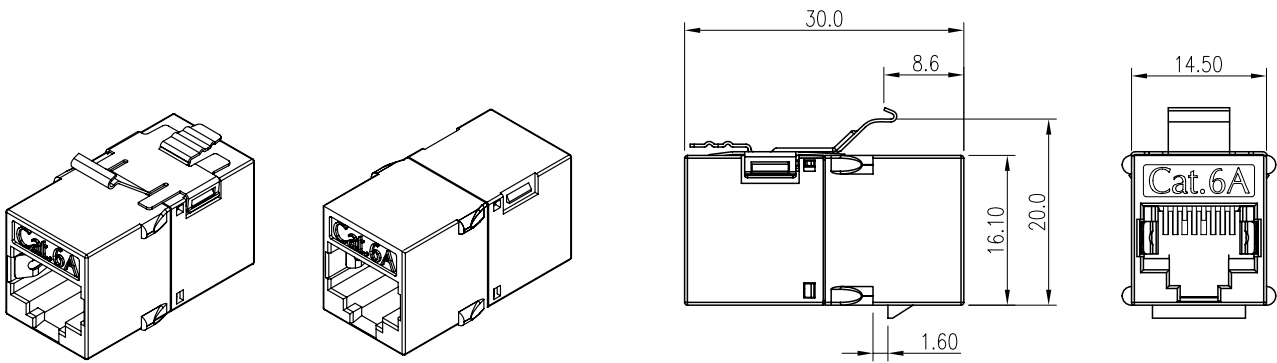
# Cat.6A Die Casting Coupler



TA196ADS-XX

- Cat.5e and Cat.6 shielded available.
- Meets ANSI/TIA/EIA-568-B.2-10 requirements for Augmented Category 6 Channel
- Meets ISO/IEC 11801 2nd edition and CENELEC EN 50173-1 requirements for Augmented Class E - Channel
- Meets TIA/EIA/IS-968 (FCC Part 68) and IEC 60603-7-5 requirements for RJ45 8-way connector.
- Available for snapping into 24 ports patch panel
- Standard RJ45 female to female adapter for easy cable connection.
- L30mm x W14.5mm x H20mm
- It provides extension solution
- Easily snap in and out from wall outlets and patch panels

# Specification



## ■ Specification:

Qualified Screened Category 6A  
Permanent Link and Channel of TIA/EIA-568-B.2-10  
IEC 60603-7-51  
ISO/IEC 11801 2nd edition  
Cenelec EN 50173

## ■ Electrical:

Current Rating: 1.5 Amps  
Insulation Resistance: 500 Mohms Minimum  
Contact Resistance: 20 mohms Maximum  
DC Resistance: 0.1 ohms Maximum

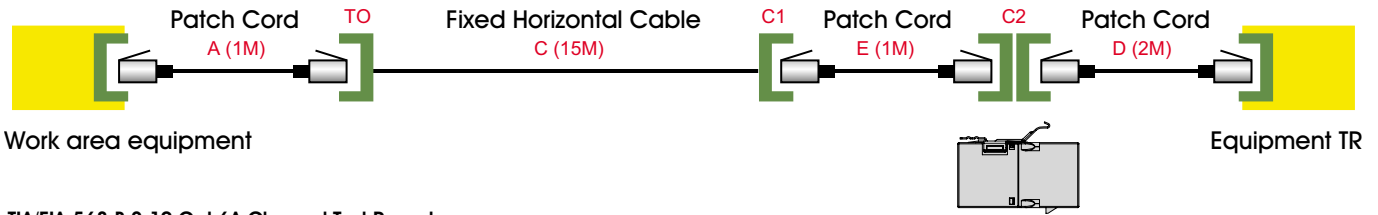
## ■ Mechanical:

Plug insertion life: 750 Cycles minimum  
Plug & Jack contact force: 100 Grams minimum  
Using FCC-Approved Plug  
Plug retention force: 30 lbs minimum  
Temperature: -40°F to 150°F (-40°C to 68°C )

## ■ Physicals:

Housing: Die casting, alloy 3  
Bracket: 0.3t SUS 301  
PCB: FR4, 1.0mm thickness  
Jack wire: Phosphor bronze gold over nickel plated

# TIA-568-B.2-10 ANNEX J Test Report



TIA/EIA-568-B.2-10 Cat.6A Channel Test Report  
1M+15M+1M+2M



Cable ID: RTA196ADS-NBK

Test Summary: PASS

Date / Time: 11/01/2010 02:37:49pm  
Headroom: 2.5 dB (NEXT 36-45)  
Test Limit: TIA Cat 6A Channel  
Cable Type: Draka(15m)-Cat 7 S/FTP

Operator: Jeff  
Software Version: 2.2200  
Limits Version: 1.3700  
NVP: 68.2%

Model: DTX-1800  
Main S/N: 9718077  
Remote S/N: 9718078  
Main Adapter: DTX-CHA001  
Remote Adapter: DTX-CHA001

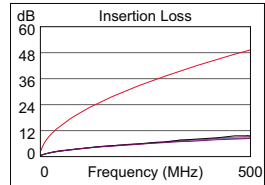
Wire Map (T568B)

PASS

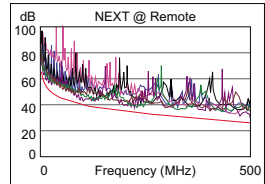
1	---	1
2	---	2
3	---	3
6	---	6
4	---	4
5	---	5
7	---	7
8	---	8
S	---	S

Length (m), Limit 100.0	[Pair 45]	17.2
Prop. Delay (ns), Limit 555		87
Delay Skew (ns), Limit 50		3
Resistance (ohms)	[Pair 36]	3.9

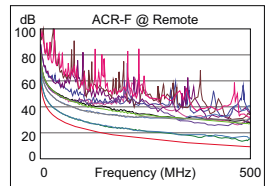
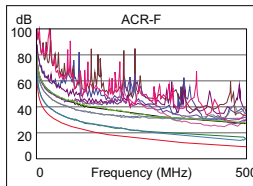
Insertion Loss Margin (dB)	[Pair 45]	38.2
Frequency (MHz)	[Pair 45]	480.0
Limit (dB)	[Pair 45]	48.2



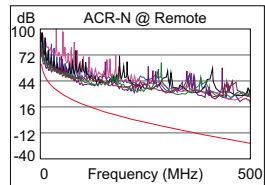
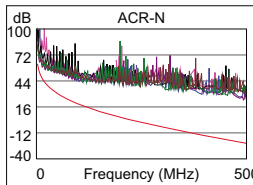
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	6.1	2.5	6.7	3.7
Freq. (MHz)	13.8	414.0	500.0	500.0
Limit (dB)	54.3	28.3	26.1	26.1
Worst Pair	36	36	36	45
<b>PS NEXT (dB)</b>	6.3	3.5	8.3	5.1
Freq. (MHz)	20.8	223.0	500.0	500.0
Limit (dB)	48.7	31.0	23.2	23.2



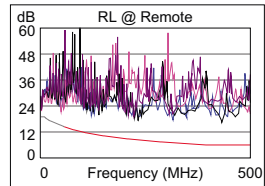
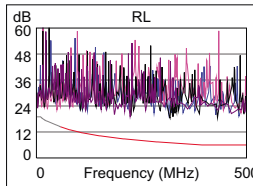
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	4.6	3.9	4.6	3.9
Freq. (MHz)	451.0	479.0	486.0	480.0
Limit (dB)	10.2	9.7	9.5	9.6
Worst Pair	36	45	36	45
<b>PS ACR-F (dB)</b>	7.4	7.3	7.5	7.4
Freq. (MHz)	451.0	451.0	486.0	486.0
Limit (dB)	7.2	7.2	6.5	6.5



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	11.2	9.2	44.4	43.3
Freq. (MHz)	7.0	3.0	478.0	500.0
Limit (dB)	53.7	61.4	-21.5	-23.2
Worst Pair	36	36	36	45
<b>PS ACR-N (dB)</b>	11.9	9.6	48.0	44.7
Freq. (MHz)	6.8	6.6	500.0	500.0
Limit (dB)	51.5	51.7	-26.1	-26.1



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36	12	45	45
<b>RL (dB)</b>	10.3	7.8	10.7	10.1
Freq. (MHz)	85.8	122.5	332.0	433.0
Limit (dB)	12.7	11.1	6.8	6.0



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

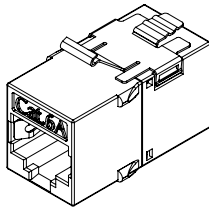
Project: DEFAULT  
Site: Client Name

LinkWare Version: 4.0

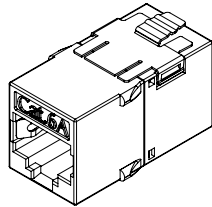


# Ordering Information

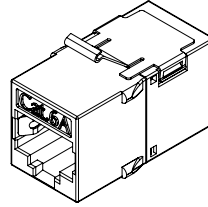
(STANDARD CLIPPER)



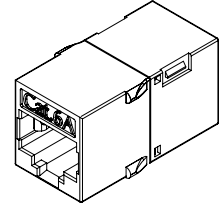
(GROUND WIRE CLIPPER)



(LATCH CLIPPER)



(NO CLIPPER)

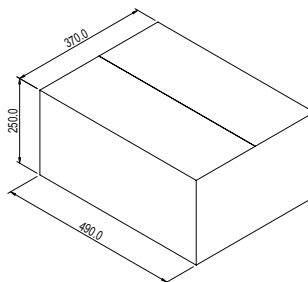


<b>TA19</b>	<b>XX</b>	<b>X</b>	-	<b>XX</b>
6A:Cat.6A		D : Die casting		WH:White BK : Black

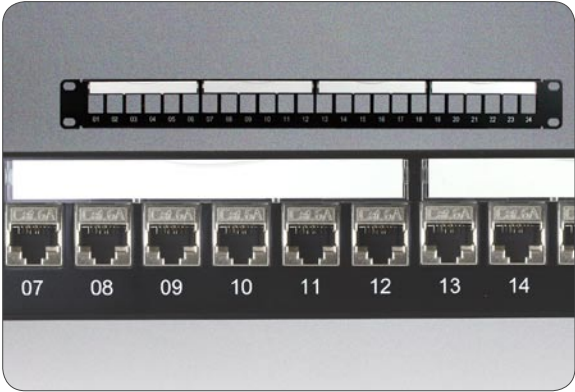
<b>TA19</b>	<b>XX</b>	<b>X</b>	<b>X</b>	-	<b>X</b>	<b>XX</b>
58:Cat.5e 68:Cat.6		U : Unshielded S : Shielded D : Die casting	S : Pin 1-1 (straight)		T : 32.5mm N : 30.0mm	WH:White BK : Black

## ■ Packing:

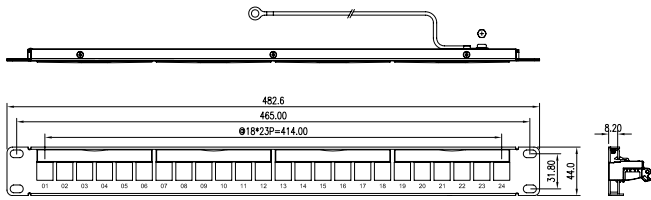
- 1pc/printed bag
- 500pcs/carton



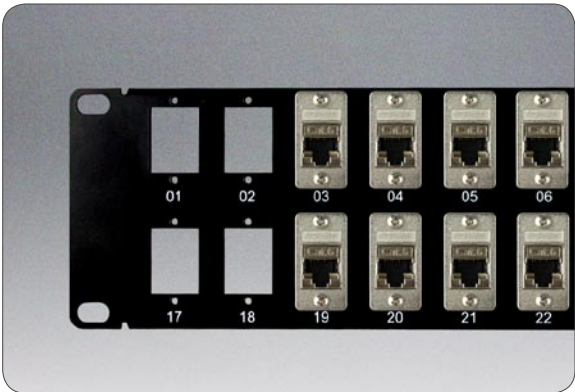
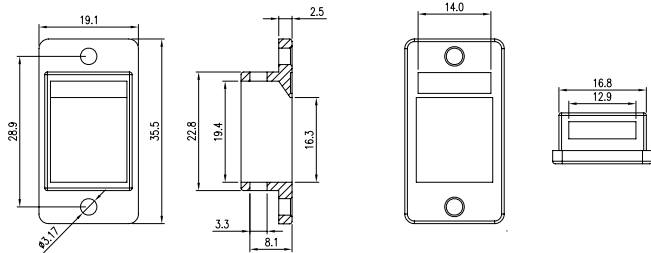
# Relative Products



■ KP24XX



■ FG01XX



■ FG0501

