

**GENERAL PROPERTIES**

JACK	
Plastic Housing	Polycarbonate, UL94V-0.
Operating Life	Minimum 750 insertion cycles.
Contact Material	Copper Alloy.
Contact Plating	50µ" Gold/100µ" Nickel.
Contact Force	1N min.
Plug Retention Force	70N min.
IDC	
Plastic Housing	Polycarbonate, UL94V-0.
Operating Life	200 re-terminations min.
Contact Material	Copper Alloy IDC.
Contact Plating	Tin.
Contact Force	1N min.
Wire Accommodation	22-24 AWG solid conductors.

**TRANSMISSION AND ELECTRICAL SPECIFICATIONS**

FREQ.	IL	NEXT	FEXT	RL	TCL	EL TCL	PS ANEXT	PS AFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
	Max	Min	Min	Min	Min	Min	Min	Min
1.00	0.1	75.0	75.0	30.0	40.0	40.0	67.0	67.0
4.00	0.1	75.0	71.1	30.0	40.0	40.0	67.0	67.0
8.00	0.1	75.0	65.0	30.0	40.0	40.0	67.0	67.0
10.00	0.1	74.0	63.1	30.0	40.0	40.0	67.0	67.0
16.00	0.1	69.9	59.0	30.0	40.0	40.0	67.0	67.0
25.00	0.1	66.0	55.1	30.0	40.0	40.0	67.0	67.0
31.25	0.1	64.1	53.2	30.0	38.1	38.1	67.0	67.0
62.50	0.16	58.1	47.2	30.0	32.1	32.1	67.0	67.0
100.00	0.20	54.0	43.1	28.0	28.0	28.0	67.0	67.0
200.00	0.28	48.0	37.1	22.0	22.0	22.0	64.5	61.0
250.00	0.32	46.0	35.1	20.0	20.0	20.0	62.5	59.0
300.00	0.35	42.9	33.6	18.5	18.5	18.5	61.0	57.5
400.00	0.40	37.9	31.1	16.0	16.0	16.0	58.5	55.0
500.00	0.45	34.0	29.1	14.0	14.0	14.0	56.5	53.0

Propagation Delay	2.5 nS max @ 1-500 MHz
Propagation Delay Skew	1.25 nS max @ 1-500 MHz
Current Rating	1.5 A max.
Contact Resistance	20 mOhm max (per contact)
Input/Output Resistance	200 mOhm max
Input/Output Resistance Unbalance	50 mOhm max
Voltage Rating	72 Vdc max
Dielectric Strength	1000 Volts rms for 1 minute
Insulation Resistance	500 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
Coupling Attenuation	35db@30-100 Mhz 35-20-Log(f/100) dB @ 100-1000 MHz

**ORDERING INFORMATION**

HCS P/N	Description	Color	Blocks	T568
W6A-008D1	8P8C RJ-45 Shielded CAT 6A 45x45mm French Style Angled Shuttered Module	White	110 IDC	UNI
W6A-008D2	8P8C RJ-45 Shielded CAT 6A 22.5x45mm French Style Angled Shuttered Module	White	110 IDC	UNI