

NOTE: UNLESS OTHERWISE SPECIFIED

1. CERTIFICATION:

A. MEETS TIA/EIA-568-B.2-10 CAT.6A

2. ENVIRONMENTAL CONDITION:

A. STORAGE: -40 TO +70° C
 B. OPERATION: -10 TO +60° C

3. ELECTRICAL:

A. ELECTRICAL INSULATION RESISTANCE: 500 MΩ MIN @ 100V DC
 B. DIELECTRIC WITHSTANDING VOLTAGE: 1000V DC OR AC PEAK CONTACT TO CONTACT @ 60Hz FOR 1 MINUTE
 C. SPRING WIRE CONTACT RESISTANCE: 20 MΩ MAX.
 D. IDC CONTACT RESISTANCE: 2.5 MΩ MAX.

4. MECHANICAL:

A. RETENTION: 50N (11 LBF) FOR 60s +/-5s
 B. INSERTION/EXTRACTION LIFE: 750 CYCLES MIN.

5. CAT 6A MODULE:

A. MATERIAL:

-HOUSING: HIGH-IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0
 -IDC HOUSING: HIGH-IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0
 -IDC CONTACT: PHOSPHOR BRONZE ALLOY WITH 100μ, 100% SN ALLOY
 -WIRE GAUGE: 23~24 AWG SOLID WIRE
 -SPRING WIRE: PHOSPHOR BRONZE ALLOY PLATED WITH 50μ GOLD OVER 70~100μ NICKEL

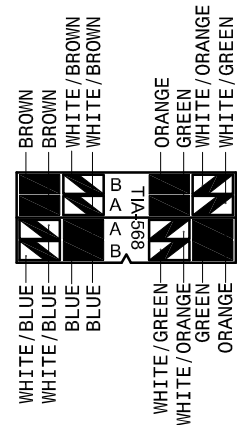
B. COLORS: XX = BL-BLUE & WH-WHITE

6. SHIELDED WIRE CAP:

A. MATERIAL: HIGH-IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0
 B. COLOR: BLACK

CATEGORY 6A CONNECTING HARDWARE REQUIREMENTS															
FREQUENCY (MHz)	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100	200	250	300	400	500
NEXT LOSS (db)	75.0	75.0	75.0	74.0	69.0	68.0	66.0	64.1	58.1	54.0	48.0	46.0	42.9	37.9	34.0
FEXT LOSS (db)	75.0	71.1	65.0	63.1	59.0	57.1	55.1	53.2	47.2	43.1	37.1	35.1	33.6	31.1	29.1
RETURN LOSS (db)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	28.0	22.0	20.0	18.5	16.0	14.0
INSERTION LOSS(db)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.16	0.20	0.28	0.32	0.35	0.40	0.45

WIRING DIAGRAM



UL US FILE NO. 125268

MODULE, CAT 6A, HD

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