PART NUMBER COLOR DESIGNATION
17159-C6-BK (BLACK)
17159-C6-WH (WHITE)

TRANSMISSION PERFORMANCE
Meets all requirement specified in channel requirements of:
ISO/IEC 11801 , Class E_A
ANSI/TIA-568-C.2, Category 6A

ELECTRICAL
Electrical Insulation Resistance : 500 MΩ
min. @ 100V d.c
Dielectric Withstanding Voltage : 1000V d.c. or
a.c. Peak Contact to Contact @ 60Hz for 1
UL 94V-0

MECHANICAL
Insertion / Extraction Life : 750 Cycles Minimum

PHYSICAL
Housing : High-Impact, Flame-Retardant Plastic,
Spring Wire : Phosphor Bronze Alloy Plated With
50 micro-inch of Gold
PART NUMBER COLOR DESIGNATION
17159-C6-BK (BLACK)
17159-C6-WH (WHITE)

TRANSMISSION PERFORMANCE
NEXT: MEETS ALL REQUIREMENTS SPECIFIED IN TIA/EIA–568–B.2–1 CATEGORY 6
Return Loss: MEETS ALL REQUIREMENTS SPECIFIED IN TIA/EIA–568–B.2–1 CATEGORY 6

ENVIRONMENTAL CONDITIONS
TEMPERATURE RANGE
STORAGE -40 to +70°C
OPERATIONAL -10 to +60°C
RELATIVE HUMIDITY (OPERATIONAL) MAXIMUM NONCONDENSING 93%

ELECTRICAL:
ELECTRICAL INSULATION RESISTANCE: 10 MEGAOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE: 1,000 VOLTS, RMS, 60HZ, 1 MIN.
CONTACT RESISTANCE: 20 MILLIOHMS MAX.
CURRENT RATING: 1.5 AMPS AT 20°C

MECHANICAL:
TOTAL MATING FORCE: 800 GRAMS FOR A 8 WIRE LEADS MINIMUM.
RETENTION: 30 LBS MIN BETWEEN THE JACK AND PLUG.
INSERTION/EXTRACTION LIFE: 700 CYCLES MINIMUM.

PHYSICAL:
HOUSING: HIGH–IMPACT, FLAME–RETARDANT PLASTIC, UL94V–0 RATED.
SPRING WIRE/CONTACT BLADES MATERIAL: PHOSPHOR BRONZE ALLOY.
PLATING: 24 KARAT HARD GOLD (50 MICRO INCH PLATING THICKNESS) OVER 100 MICRO INCH NICKEL.

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</table>

TOLs = ±0.2MM, OVER 20MM TO 60MM ±0.4MM, OVER 60MM ±0.8MM ANGLES ±1 DEG

DYNACOM NETWORK PRODUCTS

e-mail sales@dynacomcorp.com
web: www.dynacomcorp.com

NEXT ASSY: -
DRAWN: E.A. 10/07/2014
CHECKED: EA

Data Coupler, Cat6
17159-C6-XX
A
NOTES:
1. COMPACT COUPLERS FOR TWO MODULAR PLUGS.
2. COUPLERS SNAP INTO 0.585 in x 0.765 in OPENING.
3. WIRED P1 TO P1.
5. P/N: 17159-C5-WH (COLOR-WHITE).