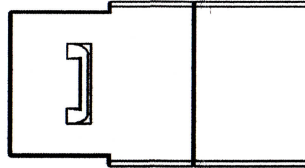


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ZONE	REV.	DESCRIPTION	DATE	APPV.
-	A	INITIAL RELEASE	10/05/2014	E.A.

D PART NUMBER COLOR DESIGNATION

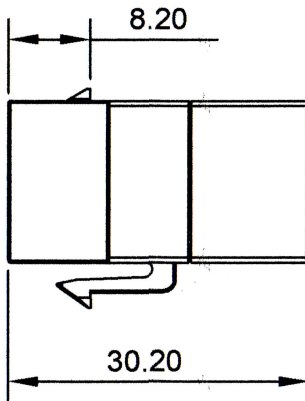
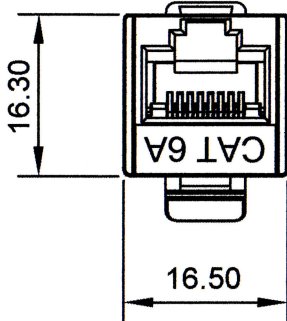
17159-C6-BK (BLACK)  
17159-C6-WH (WHITE)



TRANSMISSION PERFORMANCE

Meets all requirement specified in channel requirements of:

ISO/IEC 11801 , Class E<sub>A</sub>  
ANSI/TIA-568-C.2, Category 6A



ELECTRICAL

Electrical Insulation Resistance : 500 M min. @ 100V d.c

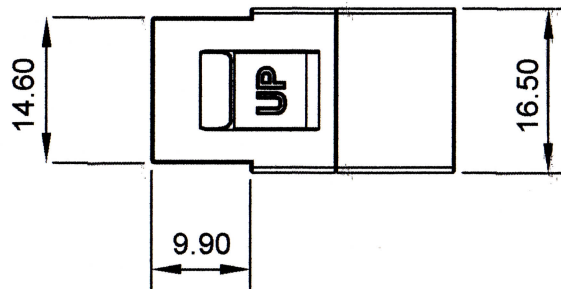
Dielectric Withstanding Voltage : 1000V d.c. or a.c. Peak Contact to Contact @ 60Hz for 1 UL 94V-0

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



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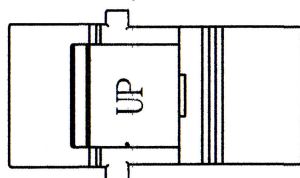
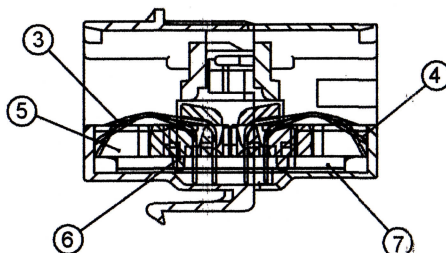
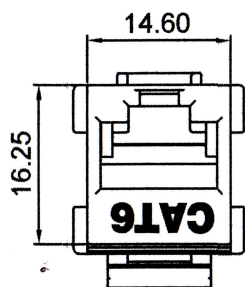
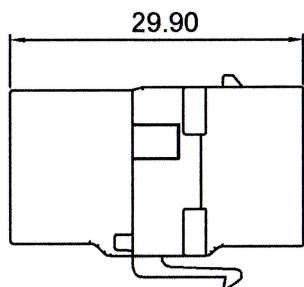
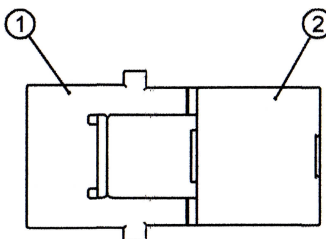
TOLS ~ 20MM ± 0.2MM, OVER 20MM TO 60MM ± 0.4MM, OVER 60MM ± 0.8MM. ANGLES ± 1 DEG

NEXT ASSY: -	DRAWN: E.A. 10/07/2014	CHECKED: EA
TITLE	DWG. NO.	SHEET 1 OF 1
Data Coupler, Cat6A	17159-C6A-XX	REV. A

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ZONE	REV.	DESCRIPTION	DATE	APPV.
-	A	INITIAL RELEASE	10/05/2014	E.A.

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



7	PCB	1
6	INSERT BASE	1
5	INSERT COVER	1
4	TERMINAL (DOWN)	1
3	TERMINAL (UP)	1
2	REAR HOUSING	1
1	FRONT HOUSING	1
ITEM	DESCRIPTION	QTY.

### 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

### ENVIROMENTAL 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.



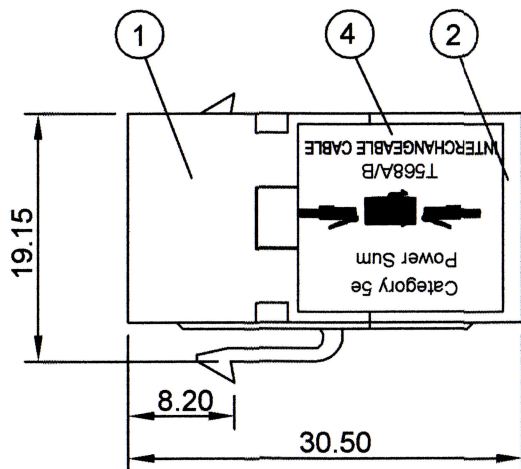
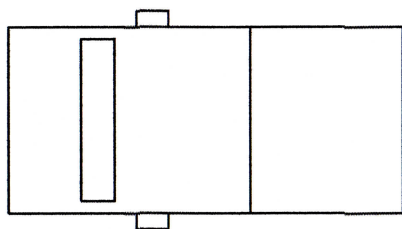
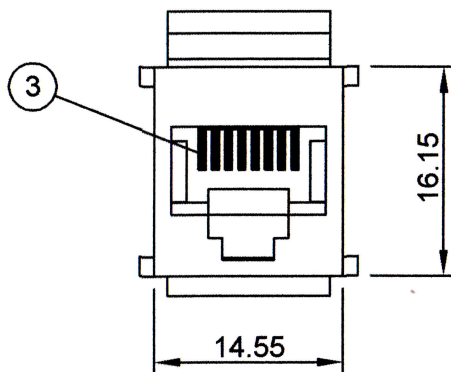
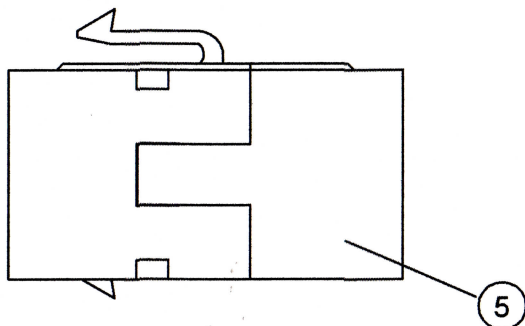
e-mail...sales@dynacomcorp.com  
 web: www.dynacomcorp.com

TOLS ~ 20MM ± 0.2MM, OVER 20MM TO 60MM ± 0.4MM, OVER 60MM ± 0.8MM. ANGLES ± 1 DEG

NEXT ASSY: -	DRAWN: E.A. 10/07/2014	CHECKED: EA
TITLE	DWG. NO.	SHEET 1 OF 1
Data Coupler, Cat6	17159-C6-XX	REV. A

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ZONE	REV.	DESCRIPTION	DATE	APPV.
-	A	INITIAL RELEASE	10/05/2014	E.A.



ITEM	PART NAME	DESCRIPTION	QTY.	REMARKS
1	FRONT JACK	ABS UL94V-0	1	
2	REAR JACK	ABS UL94V-0	1	
3	P.C.B. MODULE	SPRING WIRE	16	P.B. 50u" HARD GOLD PLATED OVER 50~80u" NICKEL PLATED
		INSERT	2	PBT+30% FIBER
		P.C.B	1	FR4
4	LABEL	WHITE ADHESIVE LABEL	1	TEXT COLOR: BLACK

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.
4. P/N: 17159-C5-BK ( COLOR-BLACK ).
5. P/N: 17159-C5-WH ( COLOR-WHITE ).



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

TOLS ~ 20MM ± 0.2MM, OVER 20MM TO 60MM ± 0.4MM, OVER 60MM ± 0.8MM. ANGLES ± 1 DEG

NEXT ASSY: -	DRAWN: E.A. 10/07/2014	CHECKED: EA
TITLE	DWG. NO.	SHEET 1 OF 1
Data Coupler, Cat5e	17159-C5-XX	REV. A