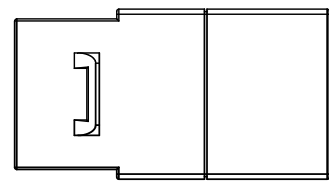


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ZONE	REV.	DESCRIPTION	DATE	APPV.
-	A	INITIAL RELEASE	10/05/2014	E.A.

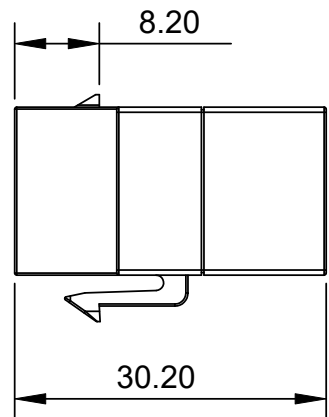
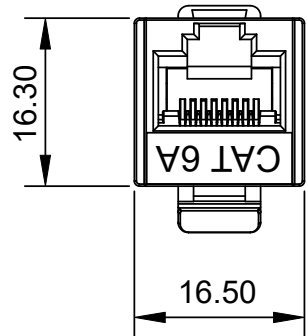
2 PART NUMBER COLOR DESIGNATION

17159-C6A-BK (BLACK)
17159-C6A-WH (WHITE)



3 TRANSMISSION PERFORMANCE

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



ELECTRICAL

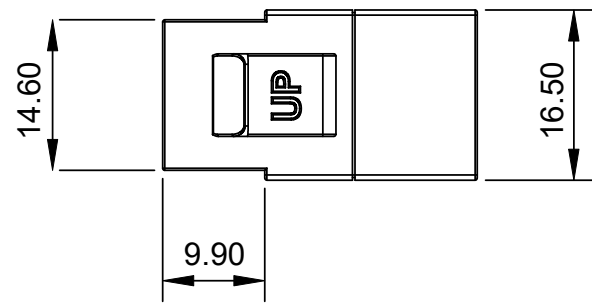
Electrical Insulation Resistance : 500 M min. @ 100V d.c
Dielectric Withstanding Voltage : 1000V d.c. or a.c. Peak Contact to Contact @ 60Hz for 1 UL 94V-0

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

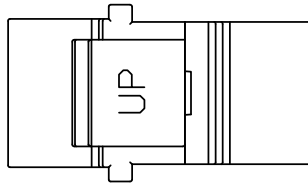
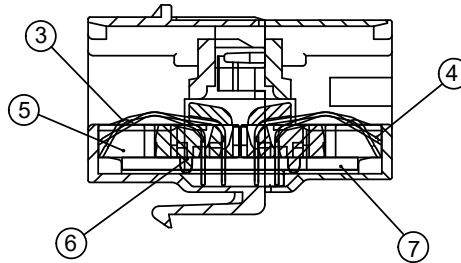
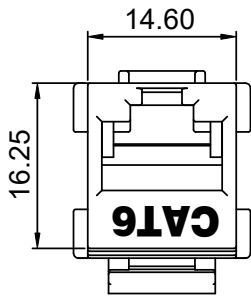
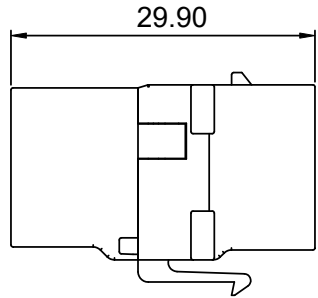
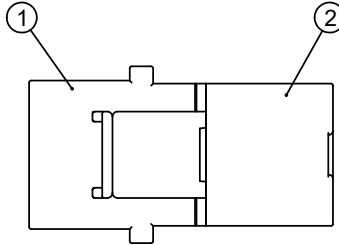
TITLE	DWG. NO.	SHEET 1 OF 1	REV.
Data Coupler, Cat6A	17159-C6A-XX		A

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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

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.



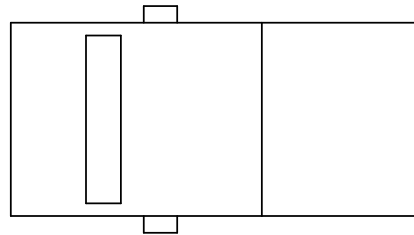
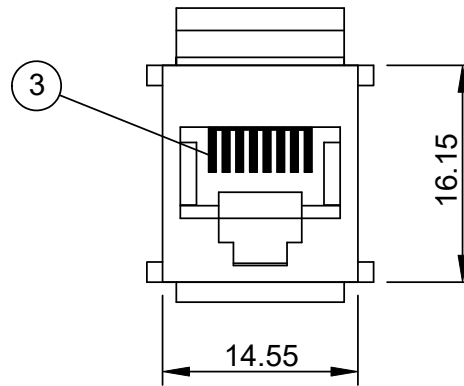
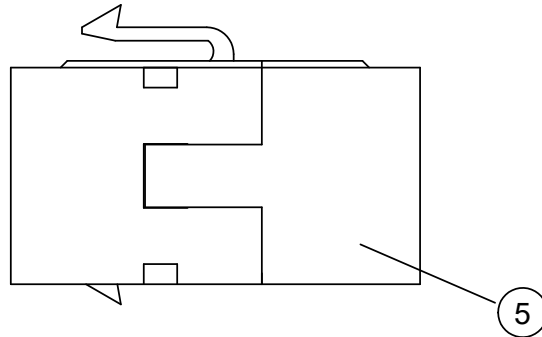
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TOLS ~ 20MM ± 0.2MM, OVER 20MM TO 60MM ± 0.4MM, OVER 60MM ± 0.8MM. ANGLES ± 1 DEG

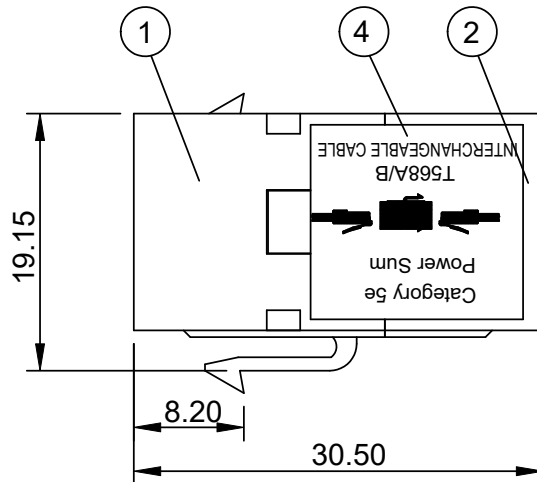
NEXT ASSY: -	DRAWN: E.A. 10/07/2014	CHECKED: EA
TITLE Data Coupler, Cat6	DWG. NO. 17159-C6-XX	SHEET 1 OF 1 REV. A

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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 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).



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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	REV.
Data Coupler, Cat5e	17159-C5-XX		A