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NOTES:

1. WINCHESTER ELECTRONICS NOMENCLATURE ARE ENCLOSED IN BRACKETS []
WHERE NECESSARY TO ENSURE CATALOG NUMBER DOES NOT EXCEED 15 DIGITS

ORDERING INFORMATION

[C] [UMI] - [] [] - [] - [R] - [BK] - [] - [XX]
[XXX]

C-OPTIONAL CLOSED ENTRY SOCKET CONTACT
NO DESIGNATOR- STANDARD OPEN ENTRY CONTACTS

UMI SERIES DESIGNATOR

MICRO-MINATURE RACK AND PANEL, 22 AWG CONTACTS, #030

NUMBER OF CONTACTS

SPECIFY: 4, 5, 7, 9, 11, 14, 20, 26, 29, 34, 44, 50, OR MS50

CONTACT TYPE DESIGNATOR

M- MALE PIN, SOLDER CUP, (PHOS. BRONZE)- STD- (M28748)
F- FEMALE SOCKET, SOLDER CUP, (PHOS. BRONZE)- STD.
[UMI]- F- FEMALE SOCKET, SOLDER CUP, CLOSED ENTRY
PHOS. BRONZE- (M28748)
BF- FEMALE SOCKET, SOLDER CUP, BERYLLIUM COPPER- OPTIONAL

OPTIONAL CONTACT TERMINATION DESIGNATORS

D07 [D1] - #023 DIP SOLDER TAIL X .070 IN. LONG
D09 [D2] - #023 DIP SOLDER TAIL X .093 IN. LONG
D14 [D3] - #023 DIP SOLDER TAIL X .140 IN. LONG
D18 [D4] - #023 DIP SOLDER TAIL X .180 IN. LONG
DD13 [D5] - #030 DIP SOLDER TAIL X .125 IN. LONG
DD16 [D6] - #030 DIP SOLDER TAIL X .156 IN. LONG
DD31 [D7] - #030 DIP SOLDER TAIL X .310 IN. LONG
WW54 [W1] - #025 IN. 50 NON-ROTATING WIRE WRAP
TAIL X .540 IN. LONG

SPECIAL VARIATION OF STANDARD SERIES

CONSULT FACTORY
* FSC [FC] - SOLDER FILLED CUPS

CONTACT PLATING VARIATION

BLANK [A] - STANDARD GOLD FLASH WILL BE SUPPLIED
UNLESS OTHERWISE SPECIFIED.
30 [B] - .000030 IN. GOLD
50 [C] - .000050 IN. GOLD (PER M28748)

OPTIONAL REINFORCEMENT MTG BRACKET

BK - DESIGNATOR *TO ORDER BRACKETS SEPARATELY
SPECIFY SERIES, NO. OF CONTACTS & BK
(i.e. UMI-29BK)

OPTIONAL HARDWARE POLARIZATION

R - REVERSED HARDWARE DESIGNATOR
2M [M] - 2 MALE GUIDES, SCREWLOCKS OR JACKSCREWS
2F [F] - 2 FEMALE GUIDES, SCREWLOCKS OR JACKSCREWS

HARDWARE VARIATIONS

CONNECTOR WITHOUT HARDWARE
W- NO HARDWARE (i.e. UMI-14W-W)

POLARIZED GUIDES:

BLANK [G]- STANDARD POLARIZED GUIDES (BRASS, GOLD FLASH FINISH) WILL BE SUPPLIED
UNLESS OTHERWISE SPECIFIED
SS - STAINLESS STEEL POLARIZED GUIDES .150 MTG. STUD EXTENSION
SS25 [SS2]- STAINLESS STEEL POLARIZED GUIDES .250 MTG. STUD EXTENSION- (PER MIL-28748)

POLARIZED GUIDES WITH HOOD & CABLE CLAMP (UNAVAILABLE FOR SIZE 4 ONLY)

HR- TOP OPENING HOOD WITH STANDARD POL. GUIDES (BRASS, GOLD FLASH)
HS- SIDE OPENING HOOD WITH STANDARD POL. GUIDES (BRASS, GOLD FLASH)
SSHR [SHR]- TOP OPENING HOOD WITH STAINLESS STEEL GUIDES .150 MTG. STUD EXTENSION
SSHS [SHS]- SIDE OPENING HOOD WITH STAINLESS STEEL GUIDES .150 MTG. STUD EXTENSION
WHR- TOP OPENING HOOD & CABLE CLAMP-ORDERED SEPARATELY-WITHOUT HDWE. (i.e. UMI-14-WHR)
WHS- SIDE OPENING HOOD & CABLE CLAMP-ORDERED SEPARATELY-WITHOUT HDWE. (i.e. UMI-14-WHS)

LONG TURNABLE SCREWLOCKS WITH HOOD & CABLE CLAMP (HARDWARE USED WITH HOODS ONLY)

KHR [KT]- TOP OPENING HOOD WITH 2-56 THD STAINLESS STEEL SCREWLOCKS- PER MIL-28748
KHS [KS]- SIDE OPENING HOOD WITH 2-56 THD STAINLESS STEEL SCREWLOCKS- PER MIL-28748
WKHR [WT]- TOP OPENING HOOD & CABLE CLAMP-ORDERED SEPARATELY-WITHOUT HDWE. (i.e. UMI-14-WKHR [UMI-14-WT])
WKHS [WS]- SIDE OPENING HOOD & CABLE CLAMP-ORDERED SEPARATELY-WITHOUT HDWE. (i.e. UMI-14-WKHS [UMI-14-WS])
KH [KH]- LONG TURNABLE JACKSCREWS (2-56 THD STAINLESS STEEL) USED WITH HOODS ONLY-
ORDERED SEPARATELY-WHEN ORDERING SPECIFY SERIES AND HOOD SIZE. (i.e. UMI-5-1KH [UMI-5-KH])

FIXED SCREWLOCKS-CHASSIS MTG

1SL [SL1]- 2-56 THD (STAINLESS STEEL)- .150 MTG. STUD EXT.
2SL [SL2]- 3-48 THD (STAINLESS STEEL)- .150 MTG. STUD EXT.
1SL25 [SL3]- 2-56 THREAD (STAINLESS STEEL)- .250 MTG. STUD EXT.-PER MIL-28748
2SL25 [SL4]- 3-48 THREAD (STAINLESS STEEL)- .250 MTG. STUD EXT.

SHORT TURNABLE SCREWLOCKS:

1K [K]- 2-56 THD (STAINLESS STEEL HARDWARE & KNOB)- PER MIL-28748
1KL [KL]- 2-56 THD, SHORT SLOTTED-KNOBLESS (STAINLESS STEEL)
2KL [KL2]- 3-48 THREAD, SHORT SLOTTED-KNOBLESS (STAINLESS STEEL)
1K15 [K15]- 2-56 THD SHORT SLOTTED KNOB #16 X .28 LONG (STAINLESS STEEL)
1K16 [K16]- 2-56 THD SHORT SLOTTED KNOB #19 X .32 LONG (STAINLESS STEEL)
1K17 [K17]- 2-56 THD 094 HEX SOCKET KNOB #16 X .24 LONG (STAINLESS STEEL)
1K18 [K18]- 2-56 THD 094 HEX SOCKET KNOB #19 X .30 LONG (STAINLESS STEEL)
1K19 [K19]- 2-56 THD SHORT SLOTTED KNOB #16 X .23 LONG (STAINLESS STEEL)
1K21 [K21]- 2-56 THD .078 HEX SOCKET KNOB #12 X .20 LONG (STAINLESS STEEL)
1K24 [K24]- 2-56 THD .094 HEX SOCKET KNOB #16 X .16 LONG (STAINLESS STEEL)
2K15 [K25]- 3-48 THD SHORT SLOTTED KNOB #16 X .28 LONG (STAINLESS STEEL)
2K16 [K26]- 3-48 THD SHORT SLOTTED KNOB #19 X .32 LONG (STAINLESS STEEL)
2K17 [K27]- 3-48 THD SHORT SLOTTED KNOB #16 X .24 LONG (STAINLESS STEEL)
2K18 [K28]- 3-48 THD SHORT SLOTTED KNOB #19 X .30 LONG (STAINLESS STEEL)

REV	DATE	DESCRIPTION
1	11/02/90	REVISED & REDRAWN TO COMPLY WITH MIL-28748
2		
3		
4		

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES:
DECIMALS .XX ±
XXX ±

ANGLES ± SCALE:

MATERIAL:

FINISH:

DRAWN: A.V.S. DATE: 05/05/88 CHECKED: L.V. DATE: 05/06/88

APPROVED: DATE: 05/08/88

DST CODE

400 Park Road
Wallingford, Connecticut
06495

TITLE

COMPOSITE OUTLINE ASSY.

UMI- 0 M/F CONNECTOR

C 093008

SHEET 1 OF 4

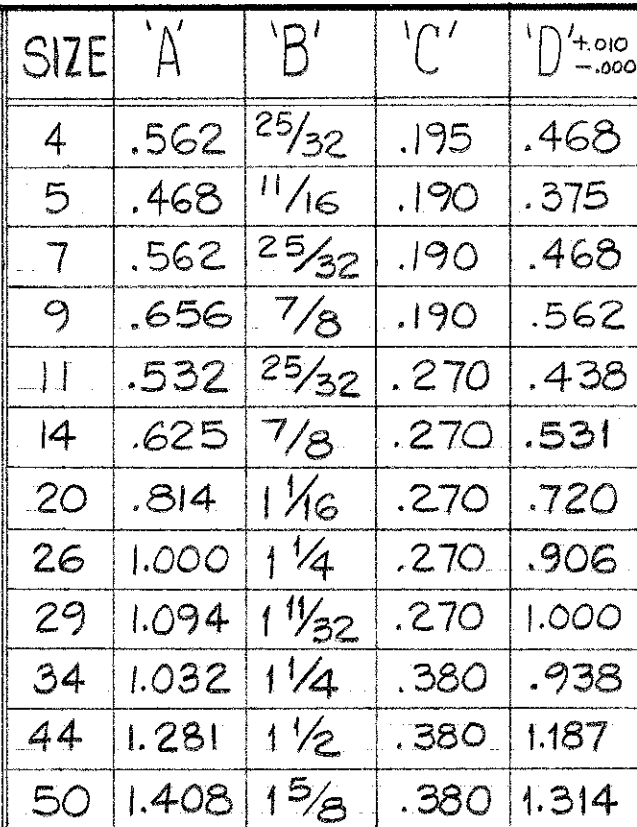
REV E

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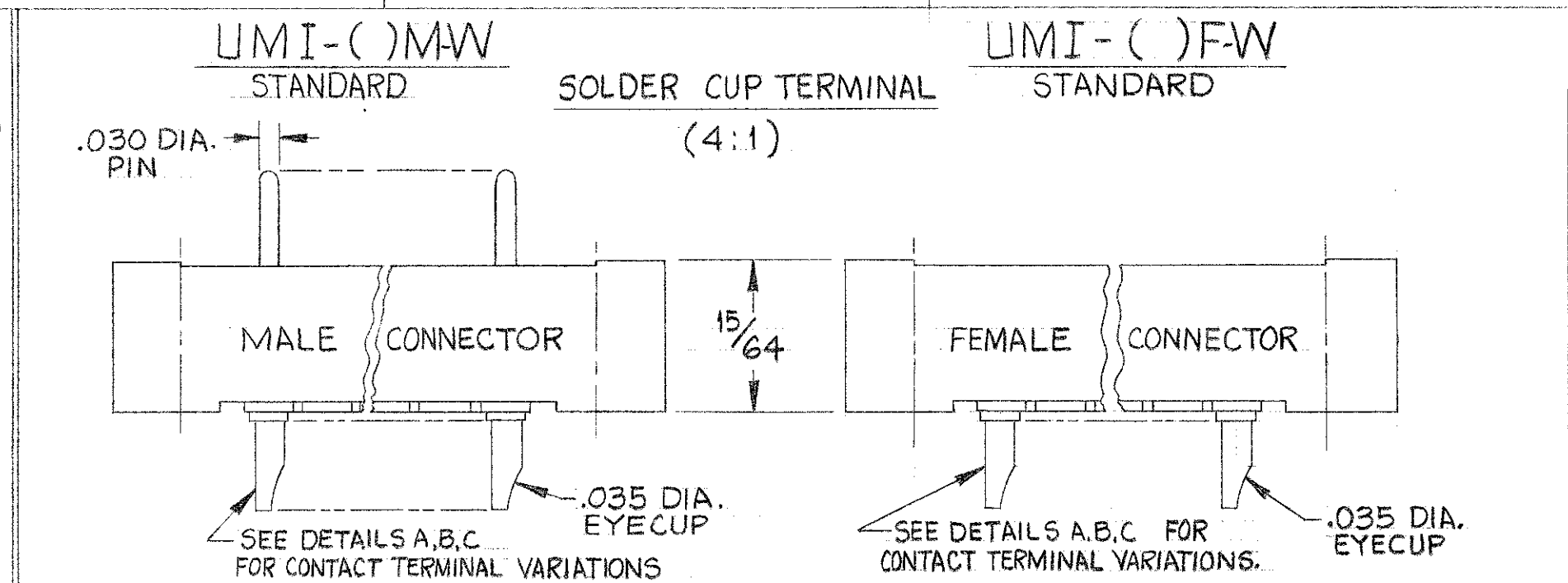
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DIP SOLDER TERMINAL
DETAIL A (4:1)

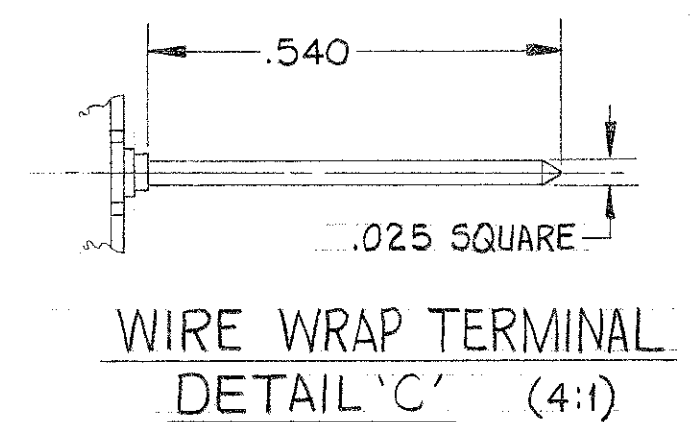


TYPE	DIM. 'Y'
D07	.065
D14	.140
D18	.180

TYPE	DIM. 'X'
DD13	.125
DD16	.156
DD31	.310

CONTACT SIZE - NO. 22 (.030 DIA.) ACCOMMODATES NO. 22 A.W.G. WIRE.
CONTACT RATING - 5 AMPS..
CREEPAGE PATH BETWEEN CONTACTS - $\frac{1}{16}$ MIN.
AIR SPACE BETWEEN CONTACTS - .031 MIN.

	TEST VOLTAGE	WORKING VOLTAGE
SEA LEVEL	1000 VOLTS A.C. RMS.	490 VOLTS D.C.
70,000	300 VOLTS A.C. RMS.	125 VOLTS D.C.



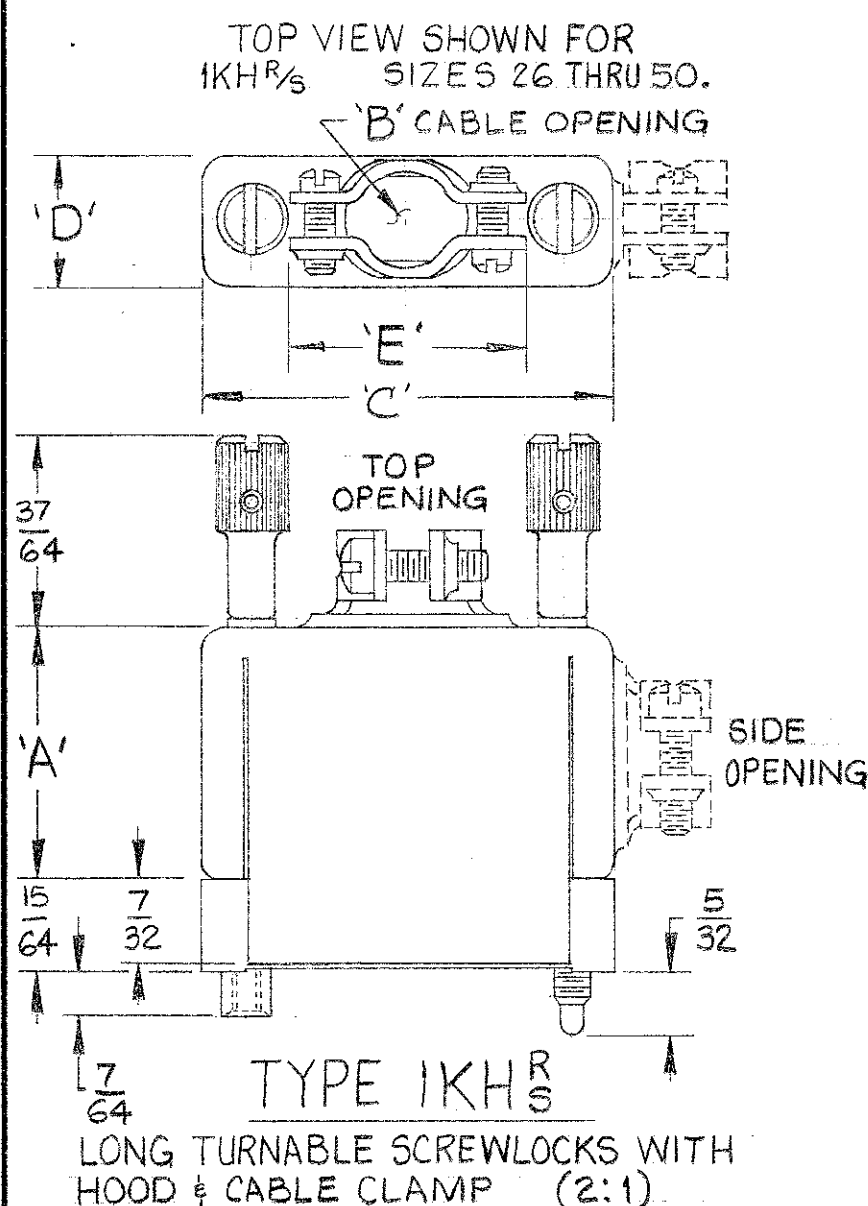
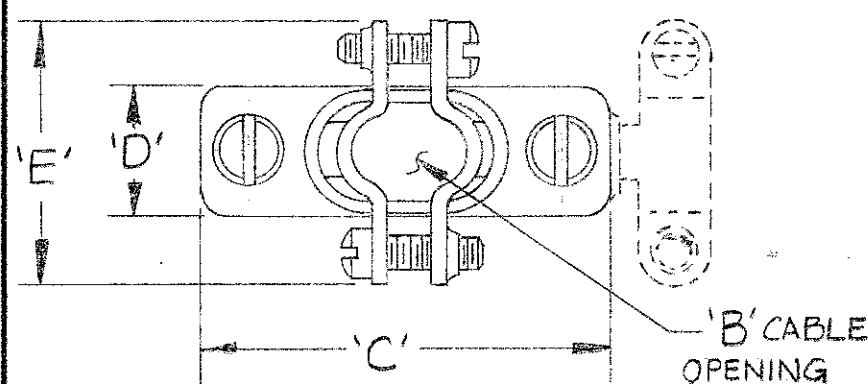
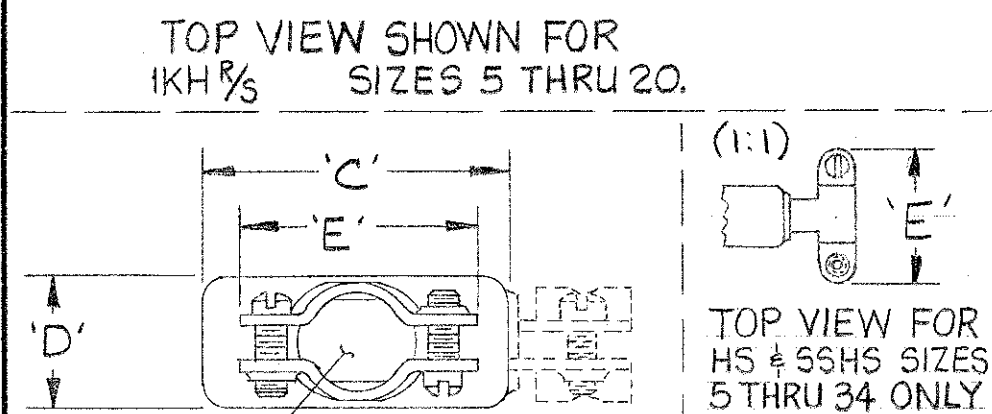
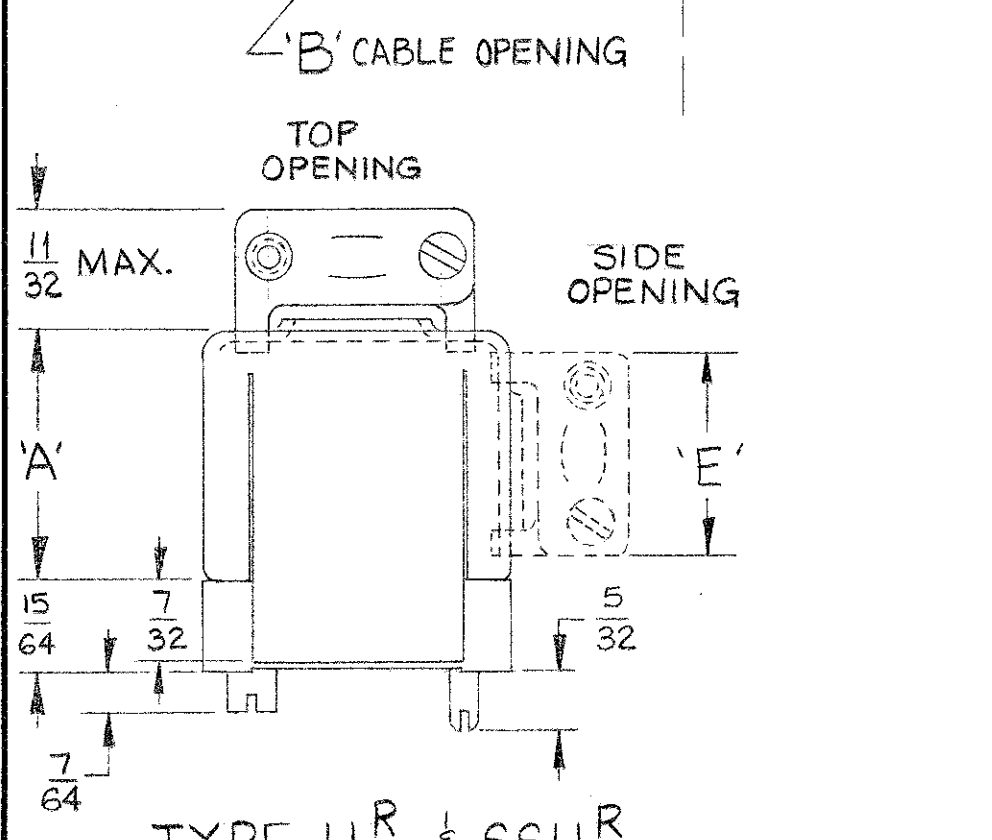
EFFECTIVE APRIL 21, 1989 THIS
DRAWING BECAME THE PROPERTY OF
LITTON SYSTEMS, INCORPORATED
WINCHESTER ELECTRONICS DIVISION
400 PARK RD., WATERTOWN, CT 06795

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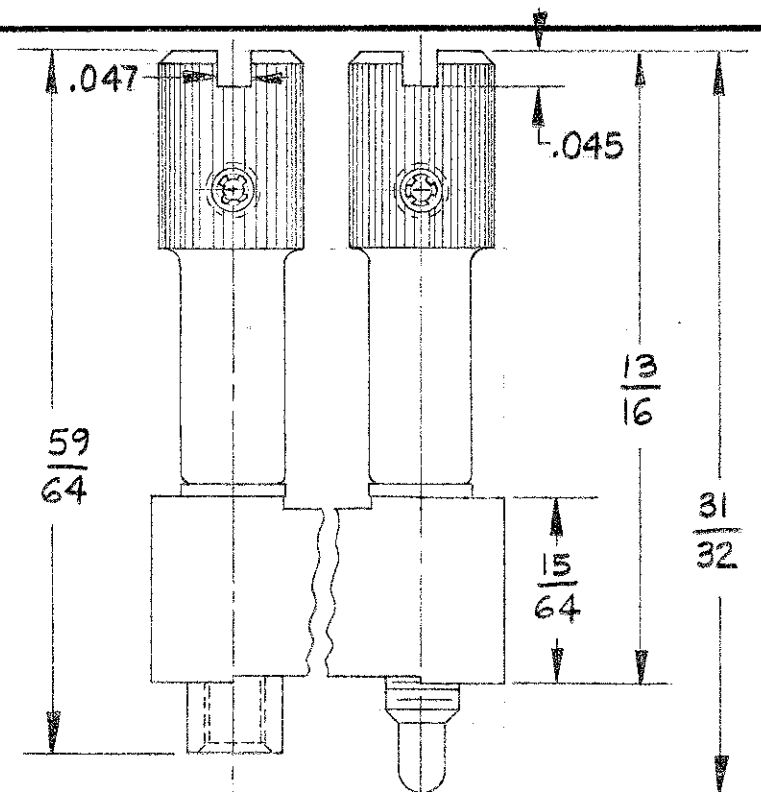
NEXT ASS'Y	USED ON	
APPLICATION		
TOLERANCES UNLESS OTHERWISE SPECIFIED		
DECIMALS	FRACTIONS	ANGULAR
± .005	± 1/64	±

U.S. COMPONENTS INC.
35 CARLOUGH ROAD BOHEMIA, N.Y. 11716

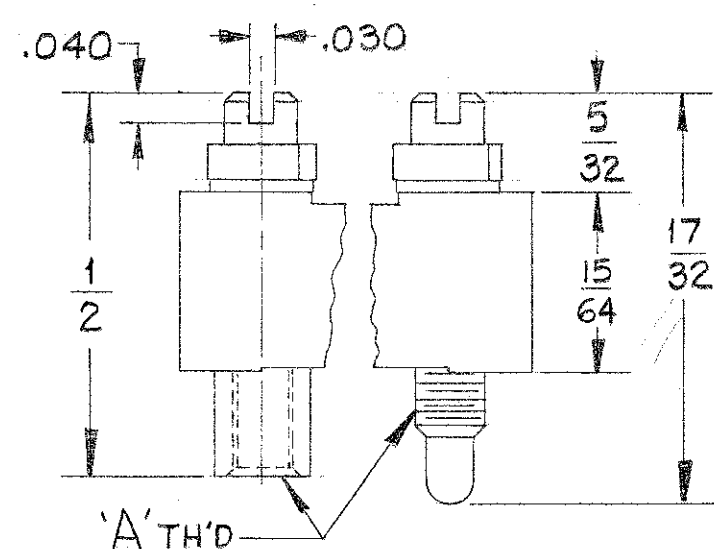
TITLE COMPOSITE OUTLINE ASSY, UMI-() M/F CONNECTOR			
MATERIAL		DRAWN BY <i>TR</i>	DATE 3-18-87
FINISH		APP'D. BY <i>A Nam</i>	DATE 4-24-87
SCALE AS NOTED	DRAWING NUMBER 093008 SH.2 OF 4		REV. E



STANDARD GUIDES WITH HOOD & CABLE CLAMP.
ST. ST. GUIDES WITH HOOD & CABLE CLAMP. (2:1)



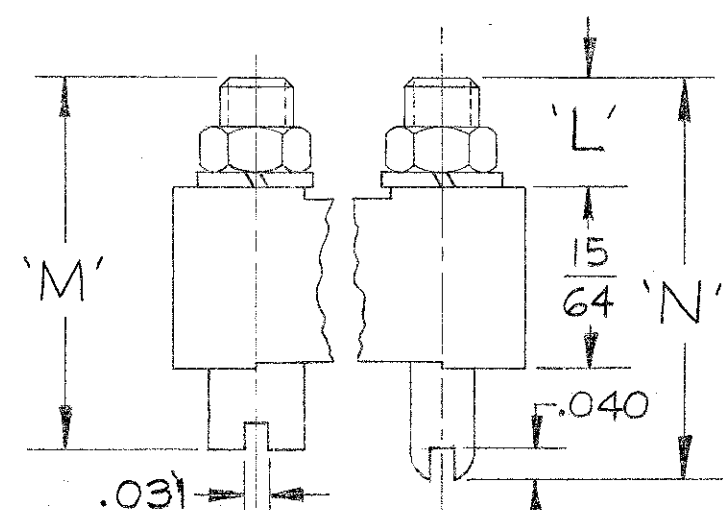
TYPE 1K
2-56 TH'D SHORT TURNABLE SCREWLOCKS
WITH KNOB (4:1)



TYPE 1KL & 2KL

TYPE	A' THREAD
1KL	2-56
2KL	3-48

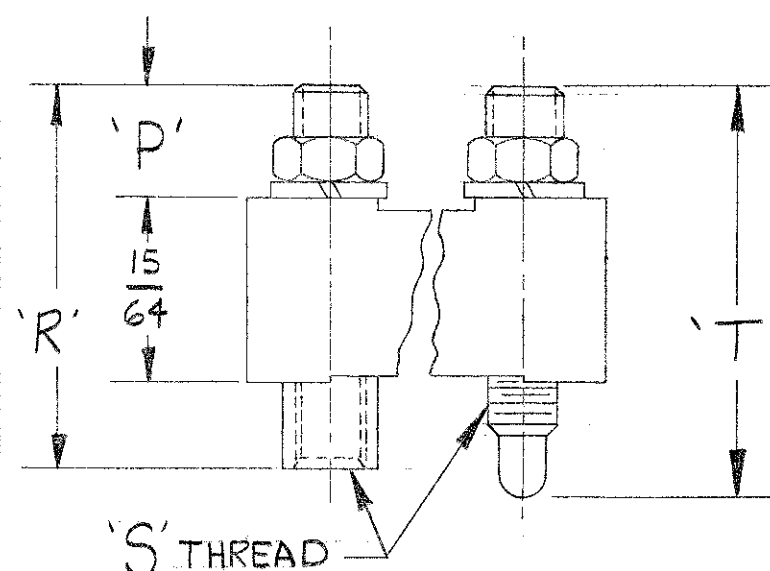
SHORT TURNABLE SCREWLOCKS
KNOBLESS (4:1)



TYPE GUIDES

STANDARD POLARIZED BRASS GUIDES OR OPTIONAL
STAINLESS STEEL GUIDES .150 MTG STUD EXT.
OR .250 MTG. STUD EXT. (4:1)

STYLE	L'	M'	N'
ST'D	.150	.484	.531
SS	.150	.484	.531
SS25	.250	.578	.625



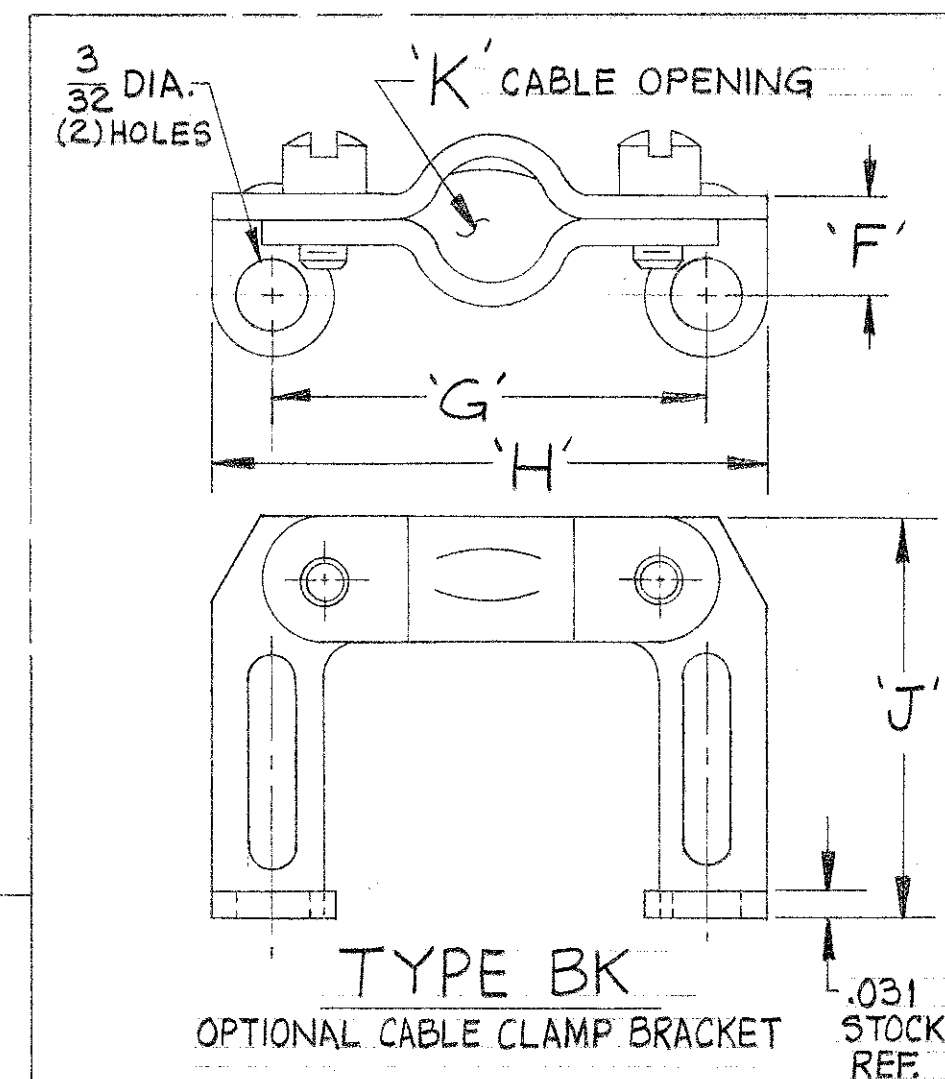
TYPE SCREWLOCKS
FIXED SCREWLOCKS-CHASSIS MTG. (4:1)

STYLE	P'	R'	S' THREAD	T'
1SL	.150	.500	2-56	.543
2SL	.150	.500	3-48	.543
1SL25	.250	.590	2-56	.630
2SL25	.250	.590	3-48	.630

ON MALE CONNECTORS FEMALE GUIDE OR SCREWLOCK
MOUNTED AT 'A' END.
ON FEMALE CONNECTORS MALE GUIDE OR SCREWLOCKS
MOUNTED AT 'A' END.

SIZE	D' REF.	A'	B' CABLE OPENING 1KH ^R / _S	B' CABLE OPENING H ^R / _S	C'	E' HS & SSHS	E' HR & SSHS	E' 1KH ^R / _S	F' REF.	G' ±.010	H' REF.	J' MAX.	K' CABLE OPENING REF.
5	1/4	5/8	.18 × .33	.18 × .24	11/16	19/32	39/64	19/32	—	—	—	—	—
7	1/4	5/8	.18 × .33	.18 × .33	25/32	19/32	39/64	19/32	.130	.562	.72	.50	.13 × .16
9	1/4	5/8	.18 × .33	.18 × .33	7/8	19/32	39/64	19/32	.130	.656	.81	.50	.13 × .16
11	21/64	5/8	.24 × .33	.24 × .33	25/32	19/32	39/64	19/32	.130	.532	.69	.50	.17 × .22
14	21/64	5/8	.24 × .33	.24 × .33	7/8	19/32	39/64	11/16	.130	.625	.78	.50	.17 × .22
20	21/64	5/8	.24 × .46	HR .24 × .46 HS .18 × .31	1 1/16	19/32	53/64	11/16	.130	.814	.97	.87	.26 × .31
26	21/64	5/8	.24 × .46	.24 × .46	1 1/4	11/16	53/64	53/64	.130	1.000	1.16	.87	.39 × .44
29	21/64	5/8	.24 × .46	.24 × .46	1 11/32	11/16	53/64	53/64	.130	1.094	1.25	.87	.39 × .44
34	7/16	5/8	.34 × .46	.34 × .46	1 1/4	11/16	53/64	53/64	.190	1.032	1.19	.87	.42 × .47
44	7/16	1 3/16	.34 × .46	.34 × .46	1 1/2	53/64	53/64	53/64	.190	1.281	1.44	.87	.46 × .53
50	7/16	1 3/16	.34 × .46	.34 × .46	1 5/8	53/64	53/64	53/64	.190	1.408	1.56	.87	.46 × .53

REVISIONS			
SYM.	DESCRIPTION	DATE	APP'D.
E	SEE SHEET 1	11/5/80	28



U.S. COMPONENTS INC. 35 CARLOUGH ROAD BOHEMIA, N.Y. 11716			
TITLE COMPOSITE OUTLINE ASSY, UMI- () M/F CONNECTOR			
MATERIAL		DRAWN BY	DATE
FINISH		APP'D. BY	DATE
SCALE AS NOTED		DRAWING NUMBER	REV.
NOTED 093008 ST3 of 4			E

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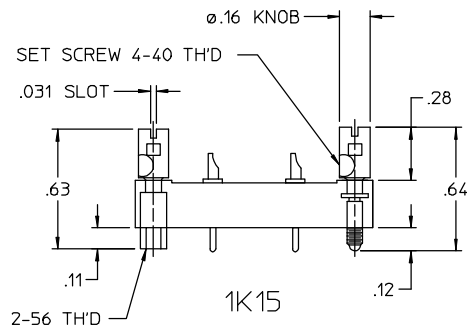
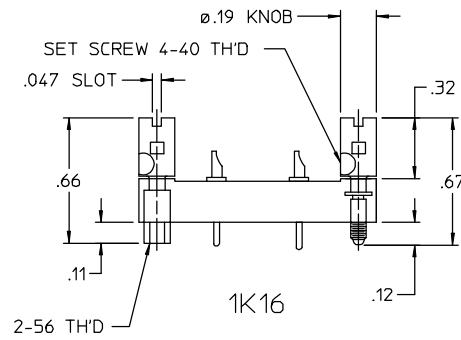
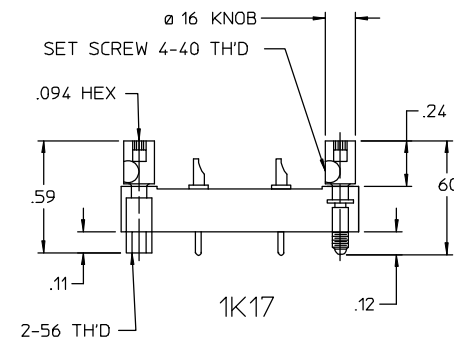
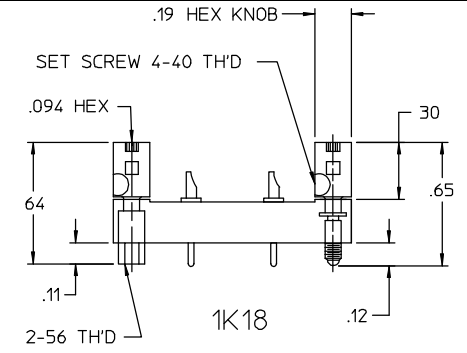
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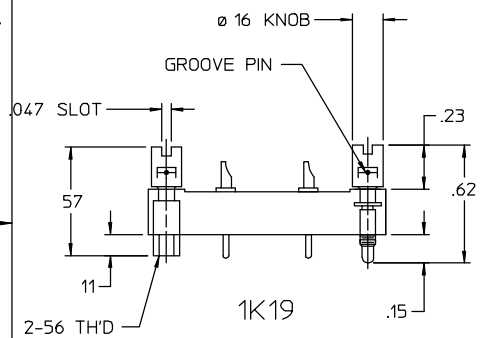
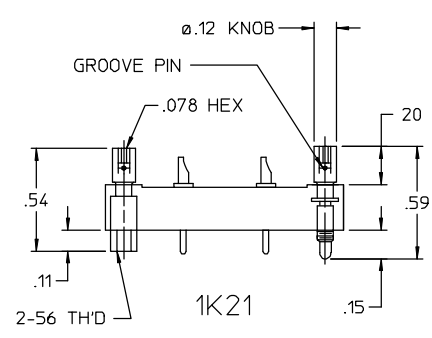
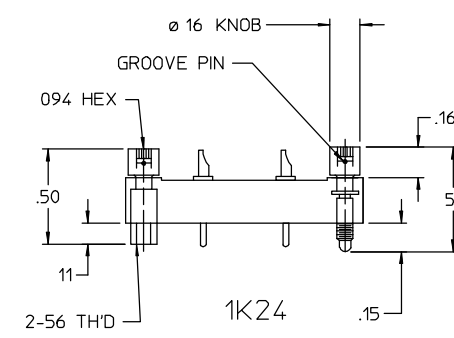
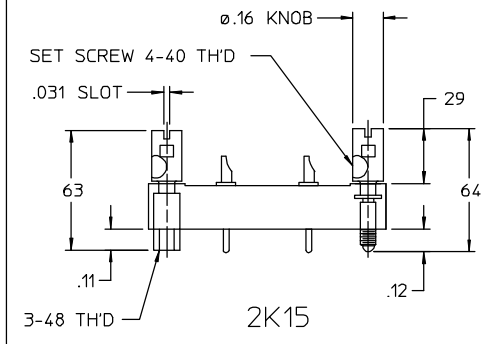
OPTIONAL KNOB CONFIGURATIONS FOR TURNABLE JACKSCREWS

D



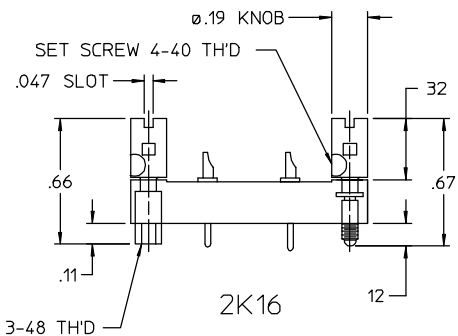
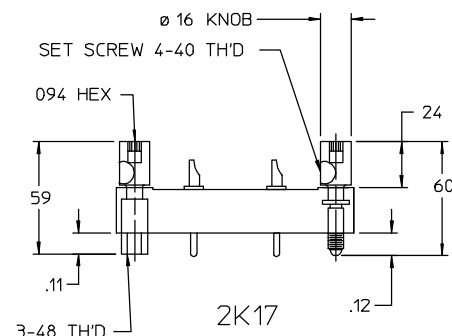
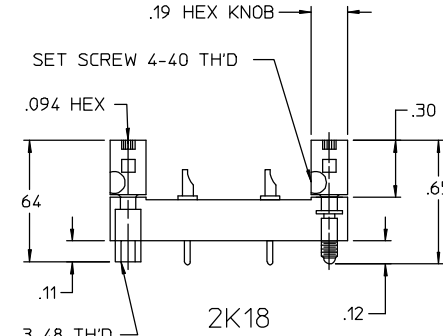
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C



C

B



B

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REV	DATE	DESCRIPTION	BY	APPD
1	11/05/90	REVISD & REDRAWN ECRH 1550 ECRH 1821	JMG	
2				
3				
4				

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES
DECIMALS .XX ±
XXX ±
ANGLES ± SCALE:



DISY. CODE

Litton
Winchester
Electronics

400 Park Road
Waterbury, Connecticut
06725

TITLE		REV.
COMPOSITE OUTLINE ASSY. UMI- () M/F CONNECTOR		
C	093008	SH. 4 OF 4
		E

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