REV	DESCRIPTION	BY DATE	APPD
K	ER044303	VBH MAR 10/15/12	

NOTES:

1. REF - WIRE STRIP LENGTH TO BE .187/4.75.
2. CRIMP CONTACTS AVAILABLE ON REELS (2000/REEL). SEE CHART FOR REEL PART Nº.
3. CATALOG NUMBER CODE:

100 SERIES CODE ORDER CHART

100 - ***** ◪ △

SERIES CODE

CONTACT DESIGNATION

SEE CHARTS	SHT. Nº
2 PIECE PIN & SOCKET	2
3 PIECE PIN & SOCKET	3
MILITARY PIN & SOCKET	4
DIP SOLDER & WIRE WRAP	5

CONTACT PLATING

(OMIT FOR STANDARD)

OTHER FINISHES AVAILABLE UPON REQUEST, CONSULT SALES DEPARTMENT

CONTACT TYPE

P = PIN
PK = PIN
S = SOCKET

SPECIFICATIONS

MATERIALS & FINISHES

(1) Socket Contact — Material: Copper Alloy
Finish: Standard= 8*"/0.2*m Min Gold Over Nickel
Military= 50*"/1.25*m Min Gold Over Nickel

(2) Pin Contact — Material: Copper Alloy
Finish: Standard= 8*"/0.2*m Min Gold Over Nickel
Military= 50*"/1.25*m Min Gold Over Nickel

(3) Retainer Clip — Material: Standard= Beryllium Copper Alloy
Finish: Gold Plated

(4) Contact Spring — Material: Beryllium Copper Alloy
Finish: Standard= Nickel Plated
Military= Gold Plated

(5) Contact Spring — Material: Beryllium Copper Alloy
Finish: Gold Plated

PERFORMANCE CHARACTERISTICS

Conforms to — MIL-C-39029

Current rating — 7.5 amps. max. for Ø.040/1.02 per individual contact
13 amps. max. for Ø.0625/1.587 per individual contact

ACCESSORY TOOLS

DESCRIPTION	CATALOG Nº	LOCATORS/POSITIONERS	CRIMP DEPTH BLOCK	SPANNER WRENCH
INSERTION TOOL	107-1015	———	———	———
REMOVAL TOOL	107R-1001			
REMOVAL TOOL	107-1005			
NON-ADJUSTABLE HAND CRIMP MS-3191-2	107-0970	107-0981 (#14) 107-0977 (#16,#18) 107-0976 (#20,#22,#24,#26)		
HAND CRIMP	107-0903-2A	107-0945		107-1102
PNEUMATIC AUTOMATIC CRIMP	107-0961		107-0965-#20 107-0966-#16	———
NON-ADJUSTABLE MINIATURE HAND CRIMP	107-43300	107-43304 107-0993 (#20,#22,#24,#26)	———	
ADJUSTABLE MINIATURE HAND CRIMP	107-0625	107-0628		
CONTACT PIN STRAIGHTENER	107-1024	———		
GAGE PLUG	5431			

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES. OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±.02 .XXX ±.010
ANGLES ±
SCALE: 5:1

WINCHESTER ELECTRONICS
Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

CUSTOMER DRAWING

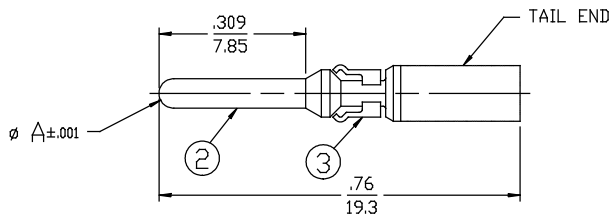
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DRAWN	DATE	CHECKED	DATE
K.D.B.	03/28/96	W.P.M.	03/29/96
APPROVED	DATE	APPROVED	DATE
V.B.H.	03/28/96	R.D.R.	03/29/96

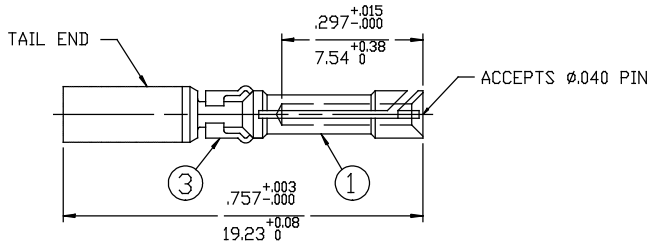
C | 22891 | SHT. 1 OF 5 | REV. K

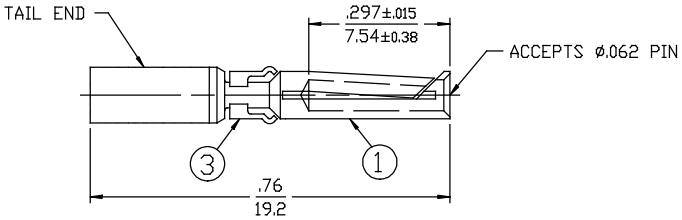
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REV	DESCRIPTION	BY DATE	APPD
K	ER044303	MAR 10/19/12	VBH



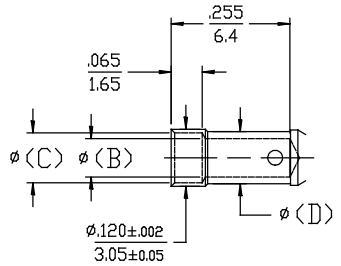
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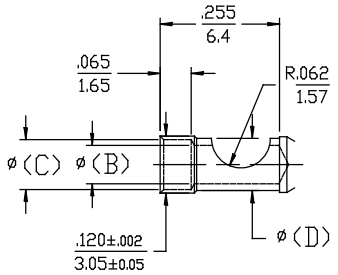


2 PIECE SOCKETS

TAIL OPTIONS



CRIMP



SOLDER

PIN ø A =.0625/1.587				PIN ø A =.040/1.02				WIRE SIZE	B	C	D
CRIMP CAT. Nº		SOLDER CAT. Nº		CRIMP CAT. Nº		SOLDER CAT. Nº					
CONTACT	REEL [2]	CONTACT	REEL	CONTACT	REEL [2]	CONTACT	REEL				
100-1026P-△	100-0963P-△	——		——	——	——		26-28-30	.024/0.61	.050/1.27	.077/1.95
100-1024P-△	100-0917P-△	100-2524P-△		100-2024P-△	100-0951P-△	100-2624P-△		24-26-28	.027/0.68	.055/1.40	.077/1.95
100-1022P-△	100-0907P-△	100-2522P-△		100-2022P-△	100-0947P-△	100-2622P-△		22-24-26	.033/0.84	.055/1.40	.077/1.95
100-1020P-△	100-0915P-△	100-2520P-△		100-2020P-△	100-0945P-△	100-2620P-△		20-22-24	.046/1.17	.069/1.75	.077/1.95
100-1018P-△	100-0913P-△	100-2518P-△		100-2018P-△	100-0943P-△	100-2618P-△		18-20-22	.052/1.32	.078/1.98	.096/2.44
100-1016P-△	100-0911P-△	100-2516P-△		100-2016P-△	100-0949P-△	100-2616P-△		16-18-20	.068/1.73	.094/2.39	.110/2.79
100-1014P-△	100-0909P-△	100-2514P-△						14-16-18	.081/2.06	.105/2.67	.110/2.79
100-1012P-△	100-0903P-△	——	——	——	——	——	——	12-14	.098/2.49	——	.120/3.05
100-1026S-△	100-0965S-△	——						26-28-30	.024/0.61	.050/1.27	.077/1.95
100-1024S-△	100-0927S-△	100-2524S-△		100-2024S-△	100-0941S-△	100-2624S-△		24-26-28	.027/0.68	.055/1.40	.077/1.95
100-1022S-△	100-0908S-△	100-2522S-△		100-2022S-△	100-0937S-△	100-2622S-△		22-24-26	.033/0.84	.055/1.40	.077/1.95
100-1020S-△	100-0925S-△	100-2520S-△		100-2020S-△	100-0935S-△	100-2620S-△		20-22-24	.046/1.17	.069/1.75	.077/1.95
100-1018S-△	100-0923S-△	100-2518S-△		100-2018S-△	100-0933S-△	100-2618S-△		18-20-22	.052/1.32	.078/1.98	.096/2.44
100-1016S-△	100-0921S-△	100-2516S-△		100-2016S-△	100-0939S-△	100-2616S-△		16-18-20	.068/1.73	.094/2.39	.110/2.79
100-1014S-△	100-0919S-△	100-2514S-△		——	——	——		14-16-18	.081/2.06	.105/2.67	.110/2.79

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
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MM
TOLERANCES
DECIMALS .XX ±.02 .XXX ±.010
ANGLES ± SCALE: 5:1

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Winchester Electronics Corporation
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Wallingford, Connecticut 06492

CUSTOMER DRAWING

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

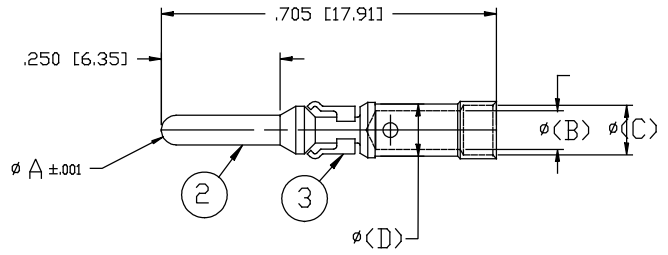
DRAWN	DATE	CHECKED	DATE
Donna	05/18/94	J.M.G.	08/18/94
APPROVED	DATE	APPROVED	DATE
V.B.H.	08/18/94	D.R.	08/19/94

C | 22891 | SHT. 2 OF 5 | REV. K

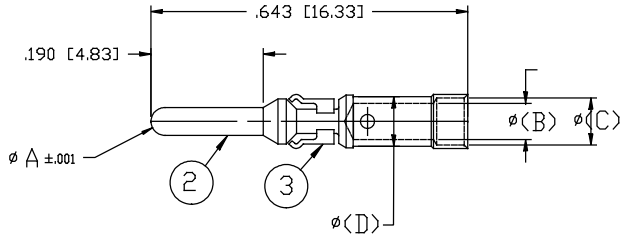
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REV	DESCRIPTION	BY DATE	APPD
K	ER044303	MAR 10/05/12	V.B.H.

PIN

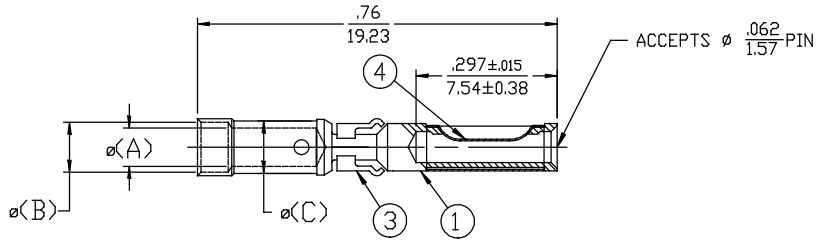


PIN ø A =.0625/1.587		PIN ø A =.040/1.02		WIRE SIZE	B	C	D
CONTACT	REEL	CONTACT	REEL				
100-1024PK-△	100-0976PK-△	100-2024PK-△	100-0990PK-△	24-26-28	.027/0.68	.055/1.40	.077/1.95
100-1022PK-△	100-0975PK-△	100-2022PK-△	100-0980PK-△	22-24-26	.033/0.84		
100-1020PK-△	100-0974PK-△	100-2020PK-△	100-0998PK-△	20-22-24	.046/1.17	.069/1.75	
100-1018PK-△	100-0973PK-△	100-2018PK-△	100-0989PK-△	18-20-22	.052/1.32	.078/1.98	.096/2.44
100-1016PK-△	100-0972PK-△	100-2016PK-△	100-0988PK-△	16-18-20	.068/1.73	.094/2.39	.110/2.79
100-1014PK-△	100-0971PK-△	———	———	14-16-18	.081/2.06	.105/2.67	

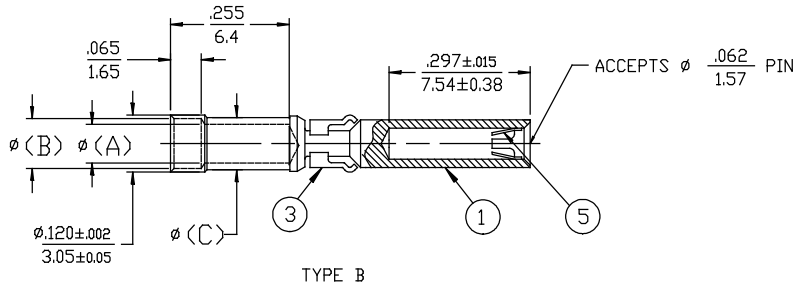


PIN ø A =.0625/1.587		WIRE SIZE	B	C	D
CONTACT	REEL				
100-1024PK-△-5585	———	24-26-28	.027/.068	.055/1.40	.077/1.95
100-1022PK-△-5585	———	22-24-26	.033/0.84		
100-1020PK-△-5585	———	20-22-24	.046/1.17	.069/1.75	
100-1018PK-△-5585	———	18-20-22	.052/1.32	.078/1.98	.096/2.44
100-1016PK-△-5585	———	16-18-20	.068/1.73	.094/2.39	.110/2.79
100-1014PK-△-5585	———	14-16-18	.081/2.06	.105/2.67	

3 PIECE SOCKET



TYPE A



TYPE B

CATALOG Nº	REEL CAT. Nº	WIRE SIZE	A	B	C	TYPE
100-51014S-△	100-0981S-△	14-16-18	.081/2.06	.105/2.67	.110/2.79	A
100-51016S-△	100-0982S-△	16-18-20	.067/1.70	.094/2.39		
100-51018S-△	100-0983S-△	18-20-22	.052/1.32	.078/1.98	.096/2.44	
100-51020S-△	100-0984S-△	20-22-24	.045/1.14	.067/1.70	.077/1.95	
100-51022S-△	100-0985S-△	22-24-26	.033/0.84	.055/1.40		
100-51024S-△	100-0986S-△	24-26-28	.027/0.68			
100-51026S-△	100-0987S-△	26-28-30	.024/0.61	.050/1.27		
100-61014S-△	100-8024S-△	14-16-18	.081/2.06	.105/2.67	.110/2.79	B
100-61016S-△	100-8025S-△	16-18-20	.067/1.70	.094/2.39		
100-61018S-△	100-8026S-△	18-20-22	.052/1.32	.078/1.98	.096/2.44	
100-61020S-△	100-8027S-△	20-22-24	.045/1.14	.067/1.70	.077/1.95	
100-61022S-△	100-8028S-△	22-24-26	.033/0.84	.055/1.40		
100-61024S-△	100-8029S-△	24-26-28	.027/0.68			
100-61026S-△	100-8030S-△	26-28-30	.024/0.61	.050/1.27		

PER ANSI Y14.5M-1982
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MM
TOLERANCES
DECIMALS .XX ±.02
.XXX ±.010
ANGLES ± SCALE: 5:1

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CUSTOMER DRAWING

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

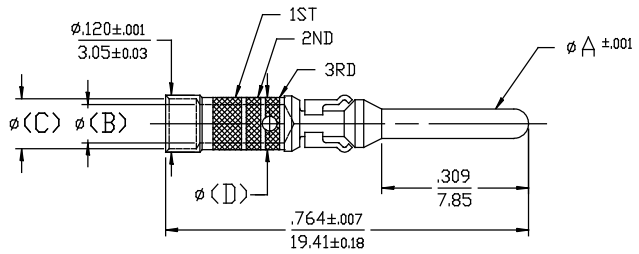
DRAWN	DATE	CHECKED	DATE
K.D.B.	03/28/96	W.P.M.	03/29/96
APPROVED	DATE	APPROVED	DATE
V.B.H.	03/28/96	R.D.R.	03/29/96

C | 22891 | SHT. 3 OF 5 | REV. K

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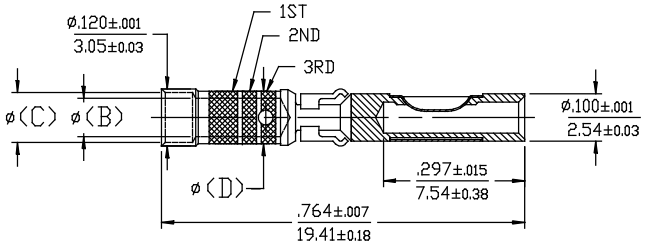
MILITARY PIN & SOCKET ASSEMBLIES

REV	DESCRIPTION	BY DATE	APPD
K	ER044303	MAR 10/19/12	VBH

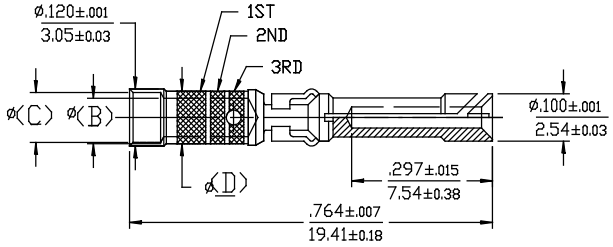


PIN CONTACTS

PARTS LIST											
MILITARY CONTACT CAT. Nº	W.E.D. CONTACT CAT. Nº	REEL CAT. Nº	COLOR BANDS 1ST	COLOR BANDS 2ND	COLOR BANDS 3RD	WIRE SIZE	PIN ø A	B	C	D	USED IN CONNECTOR SERIES
M39029/34-271	100R-2020P95	100R-0945P95	RED	VIOLET	BROWN	20-22-24	.040/1.02	.046/1.17	.069/1.75	.077/1.95	M28748
M39029/34-272	100R-1020P95	100R-0915P95			RED	20-22-24	.0625/1.587				
M39029/34-273	100B-1016P95	100B-0911P95			ORANGE	16-18-20		.068/1.73	.094/2.39	.110/2.79	



CATALOG Nº'S M39029/35-275 & -276 SHOWN



CATALOG Nº M39029/35-274 SHOWN

SOCKET CONTACTS

PARTS LIST											
MILITARY CONTACT CAT. Nº	W.E.D. CONTACT CAT. Nº	REEL CAT. Nº	COLOR BANDS 1ST	COLOR BANDS 2ND	COLOR BANDS 3RD	WIRE SIZE	MATING PIN ø	B	C	D	USED IN CONNECTOR SERIES
M39029/35-274	100R-2020S95	100R-0979S95	RED	VIOLET	YELLOW	20-22-24	.040/1.02	.046/1.17	.069/1.75	.077/1.95	M28748
M39029/35-275	100R-51020S95	100R-0984S95			GREEN	20-22-24	.0625/1.587				
M39029/35-276	100B-51016S95	100B-0982S95			BLUE	16-18-20		.068/1.73	.094/2.39	.110/2.79	

PER ANSI Y14.5M-1982
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ANGLES ± X° SCALE: 5:1

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CUSTOMER DRAWING

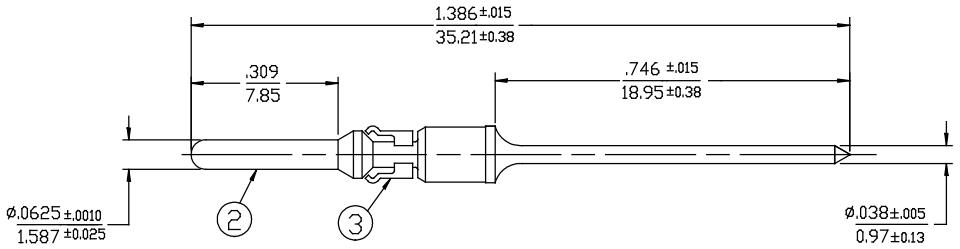
TITLE: MRAC REMOVABLE PIN & SOCKET CONTACTS

DRAWN	DATE	CHECKED	DATE
K.D.B.	03/28/96	W.P.M.	03/29/96
APPROVED	DATE	APPROVED	DATE
V.B.H.	03/28/96	R.D.R.	03/29/96

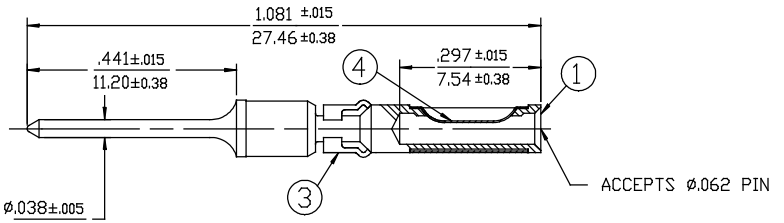
C | 22891 | SHT. 4 OF 5 | REV. K

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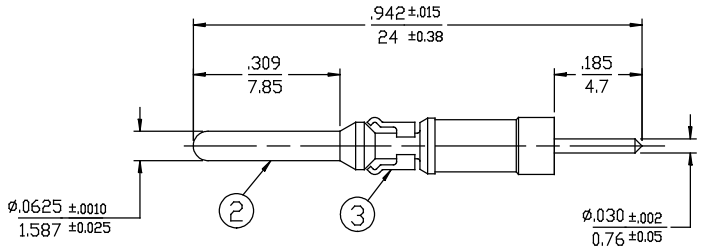
REV	DESCRIPTION	BY DATE	APP'D
K	ER044303	MAR 10/19/12	VBH



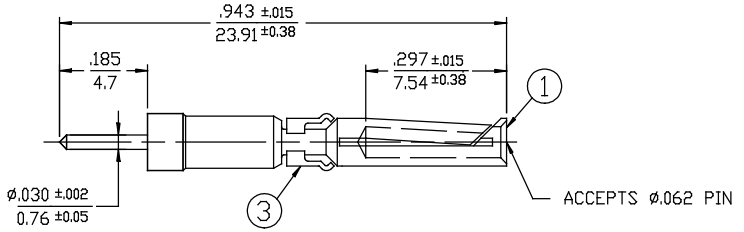
CATALOG Nº 7130-△ SHOWN



CATALOG Nº 7131-△ SHOWN

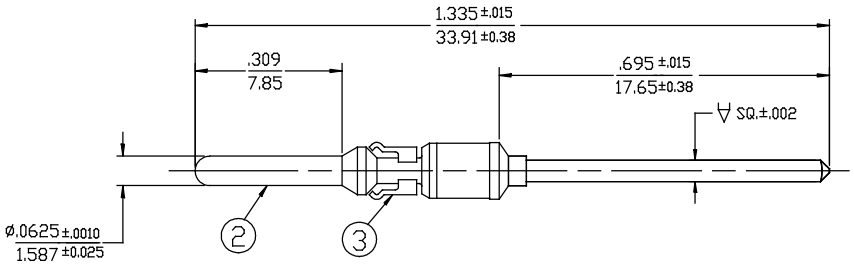


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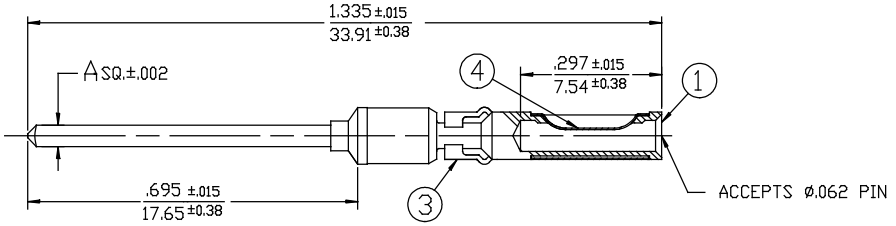
CATALOG Nº 8125-△ SHOWN

DIP SOLDER CONTACTS



CATALOG Nº'S 8106-△ AND 8114-△ SHOWN

CAT. Nº	A
8106-△	.045/1.43 SQ.
8114-△	.025/0.64 SQ.



CATALOG Nº'S 8105-△ AND 8113-△ SHOWN

CAT. Nº	A
8105-△	.045/1.43 SQ.
8113-△	.025/0.64 SQ.

WIRE WRAP CONTACTS

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED:
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MM
TOLERANCES
DECIMALS .XX ±.02
.XXX ±.010
ANGLES ± SCALE: 5:1

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CUSTOMER DRAWING

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

DRAWN	DATE	CHECKED	DATE
K.D.B.	03/28/96	W.P.M.	03/29/96
APPROVED	DATE	APPROVED	DATE
V.B.H.	03/28/96	R.D.R.	03/29/96

C	22891	SHT. 5 OF 5	REV. K

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