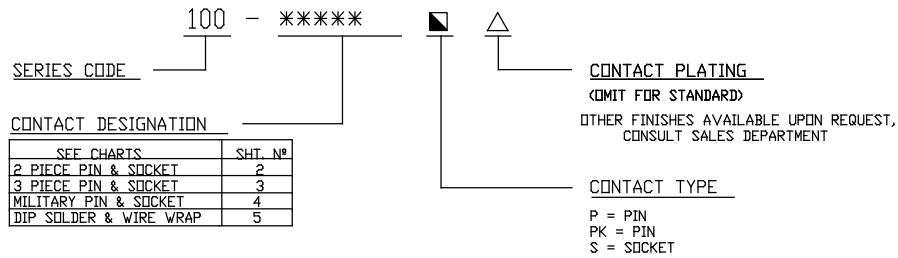


NOTES:

1. REF - WIRE STRIP LENGTH TO BE .187/4.75.
2. CRIMP CONTACTS AVAILABLE ON REELS (2000/REEL).
SEE CHART FOR REEL PART N°.
3. CATALOG NUMBER CODE:

100 SERIES CODE ORDER CHART



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

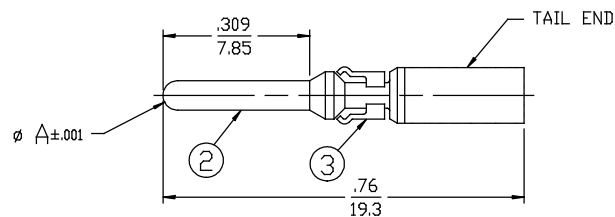
- Conforms to — MIL-C-39029
- Current rating — 7.5 amps. max. for Ø.040/1.02 per individual contact
13 amps. max. for Ø.0625/1.587 per individual contact

ACCESSORY TOOLS

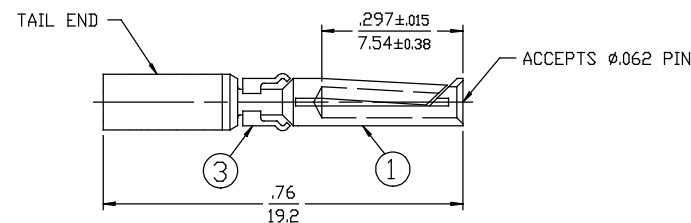
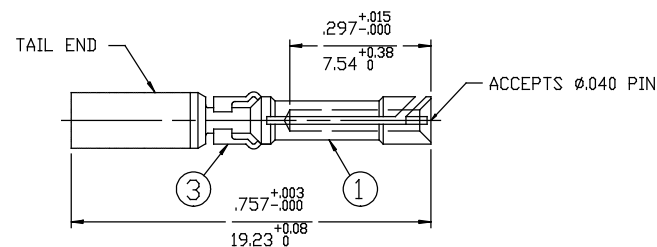
ACCESSORY TOOLS				
DESCRIPTION	CATALOG N°	LOCATORS/POSITIONERS	CRIMP DEPTH BLOCK	SPANNER WRENCH
INSERTION TOOL	107-1015	—————	—————	—————
REMOVAL TOOL	107R-1001			
REMOVAL TOOL	107-1005			
NON-ADJUSTABLE HAND CRIMP MS-3191-2	107-0970	107-0981 (#14) 107-0977 (#16,#18) 107-0976 (#20,#22,#24,#26)	—————	107-1102
HAND CRIMP	107-0903-2A	107-0945		
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		 Winchester Electronics Corporation 66 Barnes Industrial Road North Wallingford, Connecticut 06498	
TOLERANCES DECIMALS XX ±.02 XXX ±.010 ANGLES ±	SCALE: 5:1	TITLE MRAC REMOVABLE PIN & SOCKET CONTACTS	
CUSTOMER DRAWING			
DRAWN K.D.B.	DATE 03/28/96	CHECKED W.P.M.	DATE 03/29/96
APPROVED V.B.H.	DATE 03/28/96	APPROVED R.D.R.	DATE 03/29/96
C		22891	SHT. 1 OF 5 REV. K

REV	DESCRIPTION	BY DATE	APPD
K	ER044303	VAR 10/19/94	VEH

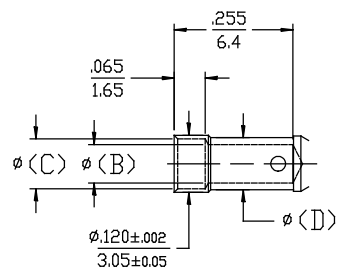


PIN

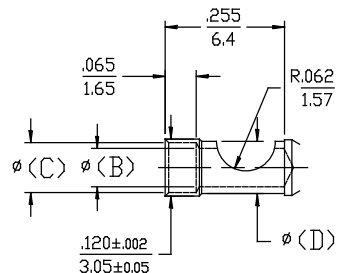


2 PIECE SOCKETS

TAIL OPTIONS



CRIMP

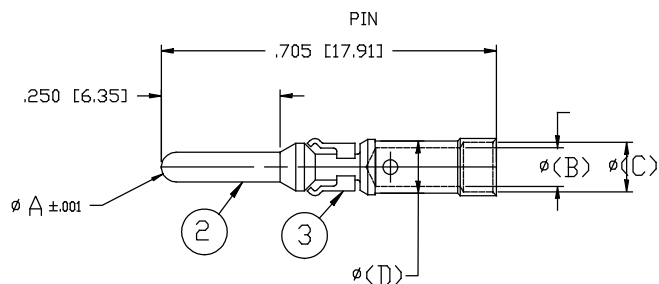


SOLDER

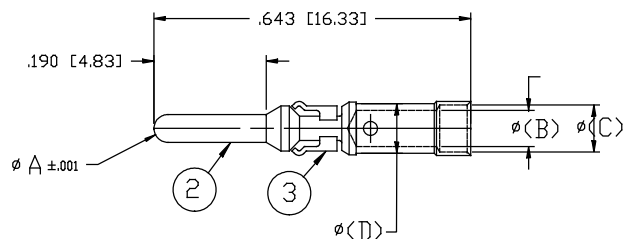
PIN Ø A =.0625/1.587				PIN Ø A =.040/1.02				WIRE SIZE	B	C	D
CRIMP CAT. Nº		SOLDER CAT. Nº		CRIMP CAT. Nº		SOLDER CAT. Nº					
CONTACT	REEL ②	CONTACT	REEL	CONTACT	REEL ②	CONTACT	REEL				
100-1026P-△	100-0963P-△	———	———	———	———	———	———	26-28-30	.024/0.61	.050/1.27	.077/1.95
100-1024P-△	100-0917P-△	100-2524P-△		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: DIMENSIONS ARE IN INCHES OR INCHES / MM				 Winchester Electronics Corporation 600 Barnes Industrial Road North Winsted, Connecticut 06896
TOLERANCES DECIMALS .XX ±.02 .XXX ±.010 ANGLES ± SCALE: 5:1				
CUSTOMER DRAWING				TITLE MRAC REMOVABLE PIN & SOCKET CONTACTS
DRAWN Donna	DATE 05/18/94	CHECKED J.M.G.	DATE 08/18/94	
APPROVED V.B.H.	DATE 08/18/94	APPROVED D.R.	DATE 08/19/94	C 22891
SHEET 2 OF 5				REV. K

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

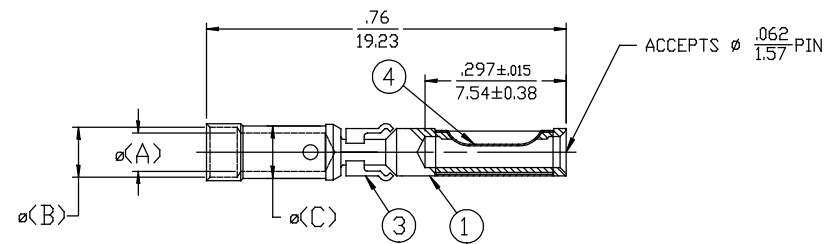


PIN $\phi A = .0625/1.587$		PIN $\phi A = .040/1.02$		WIRE SIZE	B	C	D
CONTACT	REEL	CONTACT	REEL				
100-1024PK- Δ	100-0976PK- Δ	100-2024PK- Δ	100-0990PK- Δ	24-26-28	.027/0.68		
100-1022PK- Δ	100-0975PK- Δ	100-2022PK- Δ	100-0980PK- Δ	22-24-26	.033/0.84	.055/1.40	.077/1.95
100-1020PK- Δ	100-0974PK- Δ	100-2020PK-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

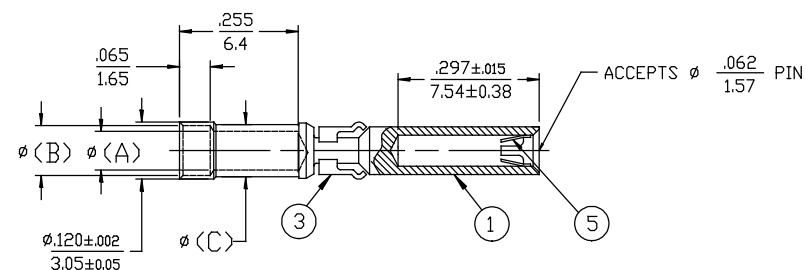


PIN $\phi A = .0625/1.587$		WIRE SIZE	B	C	D
CONTACT	REEL				
100-1024PK- Δ -5585	—	24-26-28	.027/.068	.055/1.40	.077/1.95
100-1022PK- Δ -5585	—	22-24-26	.033/0.84		
100-1020PK- Δ -5585	—	20-22-24	.046/1.17	.069/1.75	
100-1018PK- Δ -5585	—	18-20-22	.052/1.32	.078/1.98	.096/2.44
100-1016PK- Δ -5585	—	16-18-20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

3 PIECE SOCKET



TYPE A



TYPE B

CATALOG N°	REEL CAT. N°	WIRE SIZE	A	B	C	TYPE
100-51014S- Δ	100-0981S- Δ	14-16-18	.081/2.06	.105/2.67	.110/2.79	A
100-51016S- Δ	100-0982S- Δ	16-18-20	.067/1.70	.094/2.39		
100-51018S- Δ	100-0983S- Δ	18-20-22	.052/1.32	.078/1.98	.096/2.44	
100-51020S- Δ	100-0984S- Δ	20-22-24	.045/1.14	.067/1.70		
100-51022S- Δ	100-0985S- Δ	22-24-26	.033/0.84	.055/1.40	.077/1.95	
100-51024S- Δ	100-0986S- Δ	24-26-28	.027/0.68	.050/1.27		
100-51026S- Δ	100-0987S- Δ	26-28-30	.024/0.61	.050/1.27		B
100-61014S- Δ	100-8024S- Δ	14-16-18	.081/2.06	.105/2.67	.110/2.79	
100-61016S- Δ	100-8025S- Δ	16-18-20	.067/1.70	.094/2.39		
100-61018S- Δ	100-8026S- Δ	18-20-22	.052/1.32	.078/1.98	.096/2.44	
100-61020S- Δ	100-8027S- Δ	20-22-24	.045/1.14	.067/1.70		
100-61022S- Δ	100-8028S- Δ	22-24-26	.033/0.84	.055/1.40	.077/1.95	
100-61024S- Δ	100-8029S- Δ	24-26-28	.027/0.68			
100-61026S- Δ	100-8030S- Δ	26-28-30	.024/0.61	.050/1.27		

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

CUSTOMER
DRAWING



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

WINCHESTER
ELECTRONICS

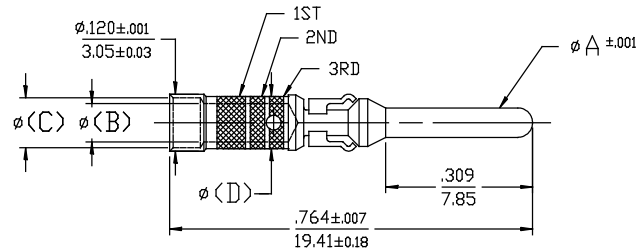
Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

C 22891 SHT. 3 OF 5 REV. K

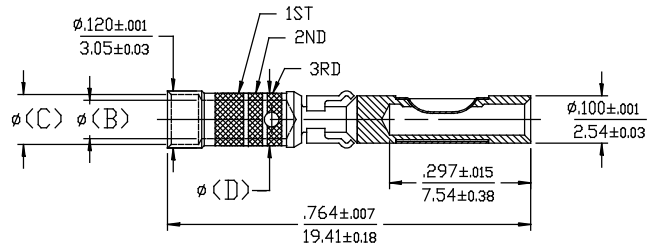
MILITARY PIN & SOCKET ASSEMBLIES

REV	DESCRIPTION	BY DATE	APP'D
K	ER044303	VAR 10/19/12	V.B.H.

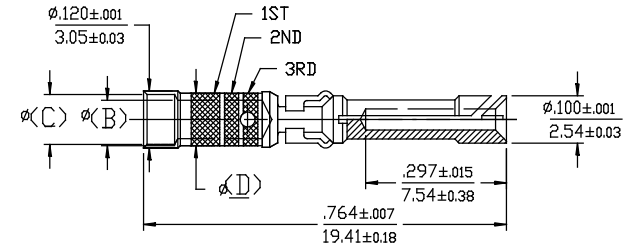


PIN CONTACTS

PARTS LIST											
MILITARY CONTACT CAT. N°	W.E.D. CONTACT CAT. N°	REEL CAT. N°	COLOR BANDS			WIRE SIZE	PIN Ø A	B	C	D	USED IN CONNECTOR SERIES
			1ST	2ND	3RD						
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					



CATALOG N°S M39029/35-275 & -276 SHOWN



CATALOG N° M39029/35-274 SHOWN

SOCKET CONTACTS

PARTS LIST											
MILITARY CONTACT CAT. N°	W.E.D. CONTACT CAT. N°	REEL CAT. N°	COLOR BANDS			WIRE SIZE	MATING PIN Ø	B	C	D	USED IN CONNECTOR SERIES
			1ST	2ND	3RD						
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					

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES - OR INCHES / MM

TOLERANCES

DECIMALS	XX	$\pm .02$
	XXX	$\pm .010$

ANGLES = X°

SCALE: 5:1

Winchester Electronics Corporation
60 Barnes Industrial Road North
Villingford, Connecticut 06495

CUSTOMER DRAWING

DATE ORDERED: 03/28/96
DATE: 03/29/96
V.P.M.

DATE APPROVED: 03/28/96
DATE: 03/29/96
R.D.R.

TITLE

MRAC REMOVABLE
PIN & SOCKET CONTACTS

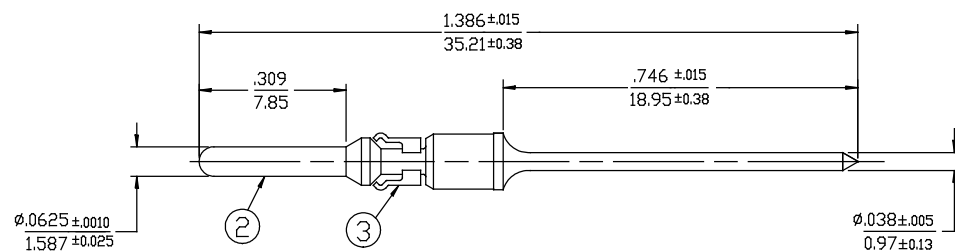
C

22891

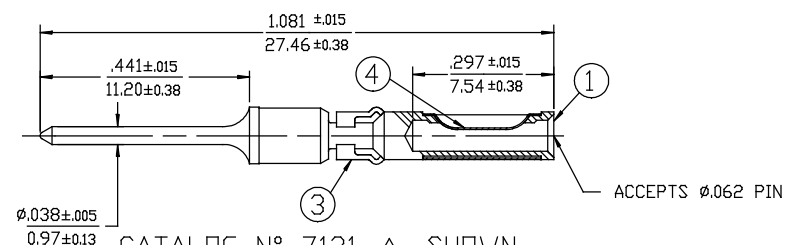
SHT. 4 OF 5

REV. K

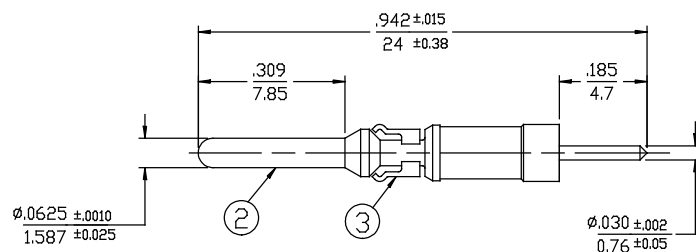
REV	DESCRIPTION	BY DATE	APPD
K	ER044303	MMR 10/19/12	VBH



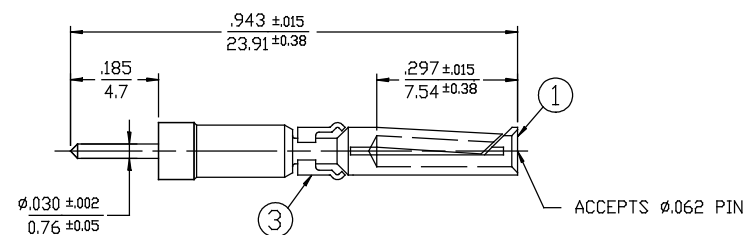
CATALOG N° 7130-△ SHOWN



CATALOG N° 7131-△ SHOWN

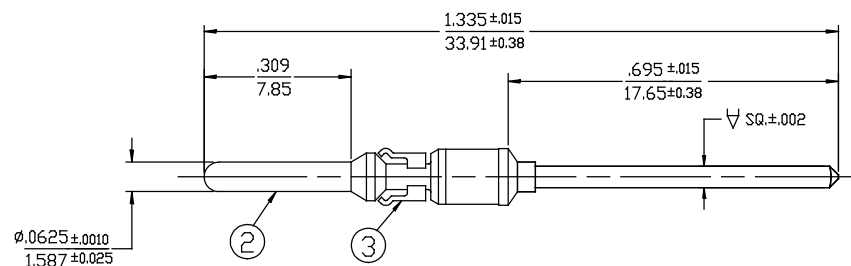


CATALOG N° 8124-△ SHOWN



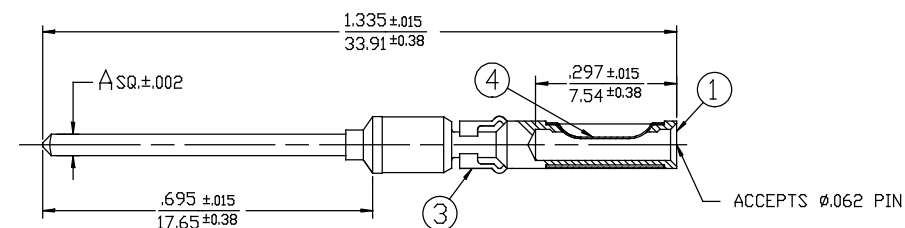
CATALOG N° 8125-△ SHOWN

DIP SOLDER CONTACTS



CATALOG N°'S 8106-△ AND 8114-△ SHOWN

CAT. N°	A
8106-△	.045/1.43 SQ.
8114-△	.025/0.64 SQ.



CATALOG N°'S 8105-△ AND 8113-△ SHOWN

CAT. N°	A
8105-△	.045/1.43 SQ.
8113-△	.025/0.64 SQ.

WIRE WRAP CONTACTS

PER ANSI Y14.5M-1982 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES OR INCHES / MM		 Winchester Electronics Corporation 62 Burnes Industrial Road North Wallingford, Connecticut 06495	
TOLERANCES DECIMALS .XX ±.02 .XXX ±.010 ANGLES ±		SCALE: 5:1	
CUSTOMER DRAWING		TITLE MRAC REMOVABLE PIN & SOCKET CONTACTS	
DRAWN K.D.B.	DATE 03/28/96	CHECKED W.P.M.	DATE 03/29/96
APPROVED V.B.H.	DATE 03/28/96	APPROVED R.D.R.	DATE 03/29/96
C		22891	
SHT. 5 OF 5		REV. K	