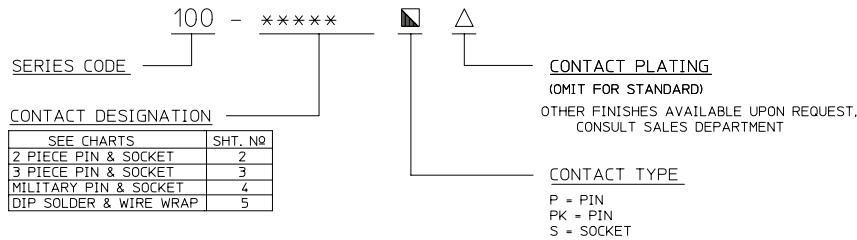


NOTES:

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



SPECIFICATIONS

MATERIALS & FINISHES

1. Socket Contact ————— Material: Copper Alloy
Finish: Standard= 8 μ /0.2 μ m Min Gold Over Nickel
Military= 50 μ /1.25 μ m Min Gold Over Nickel
2. Pin Contact ————— Material: Copper Alloy
Finish: Standard= 8 μ /0.2 μ m Min Gold Over Nickel
Military= 50 μ /1.25 μ 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

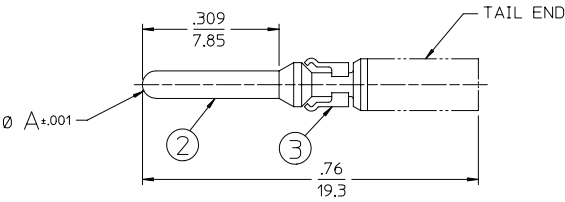
- Conforms to ————— MIL-C-39029
- Current rating ————— 7.5 amps. max. for 0.040/1.02 per individual contact
13 amps. max. for 0.0625/1.587 per individual contact

ACCESSORY TOOLS

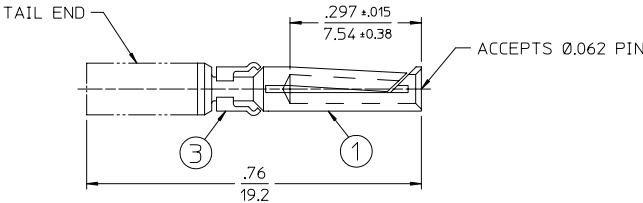
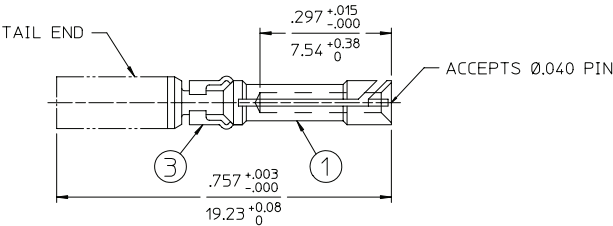
ACCESSORY TOOLS				
DESCRIPTION	CATALOG №	LOCATORS/POSITIONERS	CRIMP DEPTH BLOCK	SPANNER WRENCH
INSERTION TOOL	107-1015	—————	—————	—————
REMOVAL TOOL	107R-1001			
REMOVAL TOOL	107-1005			
NON-ADJUSTABLE HAND CRIMP MS-3191-2	107-0970	107-0981 (№14) 107-0977 (№16,№18) 107-0976 (№20,№22,№24,№26)		
HAND CRIMP	107-0903-2A	107-0945		
PNEUMATIC AUTOMATIC CRIMP	107-0961	—————	—————	—————
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		Litton Winchester Electronics 400 PARK ROAD WATERTOWN, CONNECTICUT 06795	
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. H	

REV	DESCRIPTION	BY DATE	APPD
H	REVISED PER ECR# 6003	CMB 09/06/99	W.P.M.

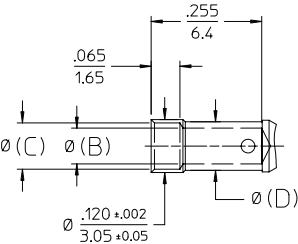


PIN

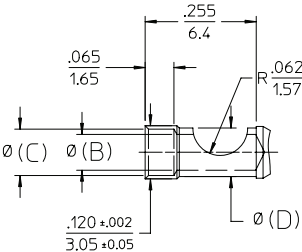


2 PIECE SOCKETS

TAIL OPTIONS



CRIMP



SOLDER

PIN Ø A =.0625/1.587				PIN Ø A =.040/1.02				WIRE SIZE	B	C	D
CRIMP CAT. NØ		SOLDER CAT. NØ		CRIMP CAT. NØ		SOLDER CAT. NØ					
CONTACT	REEL 2	CONTACT	REEL	CONTACT	REEL 2	CONTACT	REEL				
100-1026P-Δ	100-0963P-Δ	—	—	—	—	—	—	26-28-30	.024/0.61	.050/1.27	.077/1.95
100-1024P-Δ	100-0917P-Δ	100-2524P-Δ		100-2024P-Δ	100-0951P-Δ	100-2624P-Δ		24-26-28	.027/0.68	.055/1.40	.077/1.95
100-1022P-Δ	100-0907P-Δ	100-2522P-Δ		100-2022P-Δ	100-0947P-Δ	100-2622P-Δ		22-24-26	.033/0.84	.055/1.40	.077/1.95
100-1020P-Δ	100-0915P-Δ	100-2520P-Δ		100-2020P-Δ	100-0945P-Δ	100-2620P-Δ		20-22-24	.046/1.17	.069/1.75	.077/1.95
100-1018P-Δ	100-0913P-Δ	100-2518P-Δ		100-2018P-Δ	100-0943P-Δ	100-2618P-Δ		18-20-22	.052/1.32	.078/1.98	.096/2.44
100-1016P-Δ	100-0911P-Δ	100-2516P-Δ		100-2016P-Δ	100-0949P-Δ	100-2616P-Δ		16-18-20	.068/1.73	.094/2.39	.110/2.79
100-1014P-Δ	100-0909P-Δ	100-2514P-Δ		—	—	—		14-16-18	.081/2.06	.105/2.67	.110/2.79
100-1012P-Δ	100-0903P-Δ	—		—	—	—		12-14	.098/2.49	—	.120/3.05
100-1026S-Δ	100-0965S-Δ	—		—	—	—		26-28-30	.024/0.61	.050/1.27	.077/1.95
100-1024S-Δ	100-0927S-Δ	100-2524S-Δ		100-2024S-Δ	100-0941S-Δ	100-2624S-Δ		24-26-28	.027/0.68	.055/1.40	.077/1.95
100-1022S-Δ	100-0908S-Δ	100-2522S-Δ	100-2022S-Δ	100-0937S-Δ	100-2622S-Δ	22-24-26	.033/0.84	.055/1.40	.077/1.95		
100-1020S-Δ	100-0925S-Δ	100-2520S-Δ	100-2020S-Δ	100-0935S-Δ	100-2620S-Δ	20-22-24	.046/1.17	.069/1.75	.077/1.95		
100-1018S-Δ	100-0923S-Δ	100-2518S-Δ	100-2018S-Δ	100-0933S-Δ	100-2618S-Δ	18-20-22	.052/1.32	.078/1.98	.096/2.44		
100-1016S-Δ	100-0921S-Δ	100-2516S-Δ	100-2016S-Δ	100-0939S-Δ	100-2616S-Δ	16-18-20	.068/1.73	.094/2.39	.110/2.79		
100-1014S-Δ	100-0919S-Δ	100-2514S-Δ	—	—	—	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

TOLERANCES
DECIMALS .XX ± .02
XXX ± .010

ANGLES ± SCALE: 5:1

CUSTOMER DRAWING

DRAWN: Donna DATE: 05/18/94
APPROVED: V.B.H. DATE: 08/18/94

DATE CHECKED: J.M.G. 08/18/94
DATE APPROVED: D.R. 08/19/94

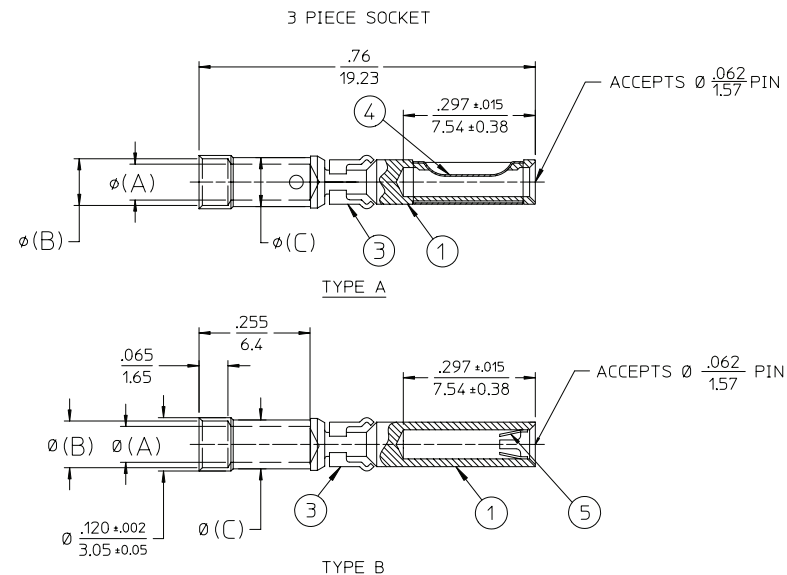
Litton
Winchester Electronics
400 PARK ROAD
WATERTOWN, CONNECTICUT
06795

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

22891

2 OF 5

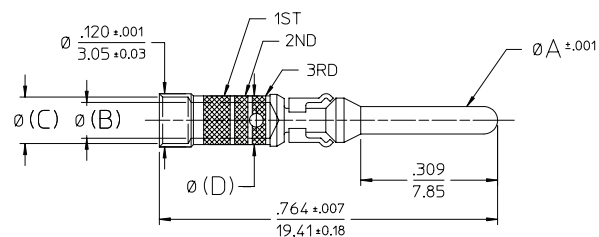
REV. H



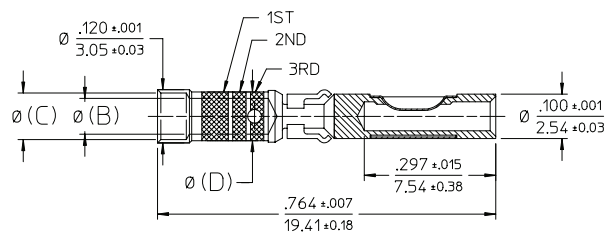
CATALOG NO	REEL CAT. NO	WIRE SIZE	A	B	C	TYPE
100-51014S-Δ	100-09815S-Δ	14-16-18	.081/2.06	.105/2.67	.110/2.79	A
100-51016S-Δ	100-09825S-Δ	16-18-20	.067/1.70	.094/2.39		
100-51018S-Δ	100-09835S-Δ	18-20-22	.052/1.32	.078/1.98		
100-51020S-Δ	100-09845S-Δ	20-22-24	.045/1.14	.067/1.70		
100-51022S-Δ	100-09855S-Δ	22-24-26	.033/0.84	.055/1.40		
100-51024S-Δ	100-09865S-Δ	24-26-28	.027/0.68	.050/1.27	.110/2.79	B
100-51026S-Δ	100-09875S-Δ	26-28-30	.024/0.61			
100-61014S-Δ	100-80245S-Δ	14-16-18	.081/2.06			
100-61016S-Δ	100-80255S-Δ	16-18-20	.067/1.70			
100-61018S-Δ	100-80265S-Δ	18-20-22	.052/1.32			
100-61020S-Δ	100-80275S-Δ	20-22-24	.045/1.14	.067/1.70	.077/1.95	
100-61022S-Δ	100-80285S-Δ	22-24-26	.033/0.84	.055/1.40		
100-61024S-Δ	100-80295S-Δ	24-26-28	.027/0.68	.050/1.27		
100-61026S-Δ	100-80305S-Δ	26-28-30	.024/0.61			

REFORMATTED BY FEH 01/05/98

REV	DESCRIPTION	BY DATE	APPD
H	REVISED PER ECR# 6003	C.W.B. 09/16/99	W.P.M.



PARTS LIST											
MILITARY CONTACT CAT. NO	W.E.D. CONTACT CAT. NO	REEL CAT. NO	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					



Technical drawing of a 3D printed part with dimensions and tolerances. The drawing shows a cross-section of the part with various diameters and lengths. The dimensions are as follows:

- Top diameter: $\varnothing .120 \pm .001$
- Top diameter tolerance: 3.05 ± 0.03
- Internal diameters: $\varnothing(C)$, $\varnothing(B)$, $\varnothing(D)$
- Lengths: $.764 \pm .007$, 7.54 ± 0.38 , $.297 \pm .015$
- Total length: $19.41 \pm .018$
- Surface finish: 1ST, 2ND, 3RD
- Bottom diameter: $\varnothing .100 \pm .001$
- Bottom diameter tolerance: 2.54 ± 0.03

SOCKET CONTACTS

PARTS LIST											
MILITARY CONTACT CAT. NO	W.E.D. CONTACT CAT. NO	REEL CAT. NO	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 $\frac{\text{MM}}$ OR INCHES / MM

TOLERANCES

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

ANGLES $\pm$ X°

SCALE: 5:1

Litton

Winchester
Electronics

400 PARK ROAD
WATERTOWN, CONNECTICUT
06795

**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

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ATE	C
4	

22891

SHT. 4 OF 5

	B
	F

