

SD71175

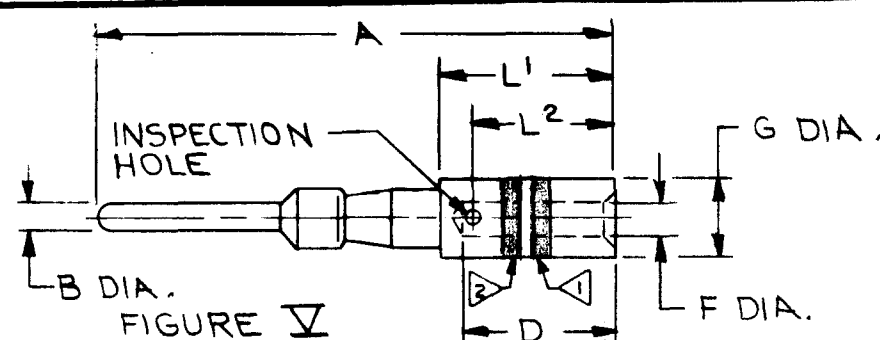


FIGURE V

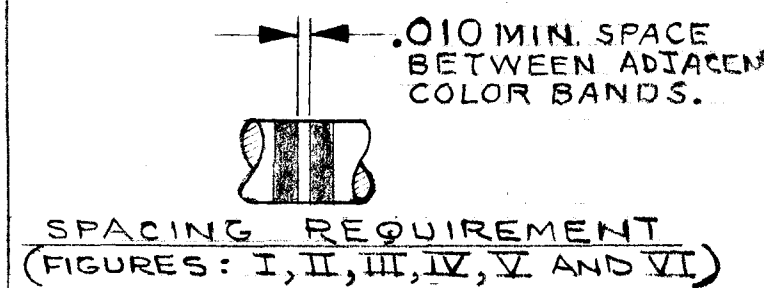
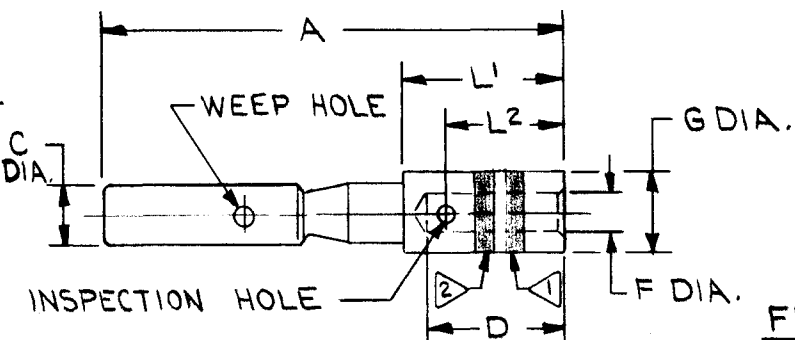
SPACING REQUIREMENT
(FIGURES: I, II, III, IV, V AND VI)

FIGURE VI

REV.	DATE	REVISION DESCRIPTION	BY	C'D.
1	12-24-76	SEE REV. REF. PRINT SHEET 2 (ECB1291)	RWD.	RWD.
2	2-8-71	SEE REV. REF. PRINT SHS 142 (ECB1341)	PJR	RWD.
3	2-22-71	SHEET 1, BLACK STRIP ADDED TO FIG. I - III (ECB1357)	PJB	RWD.
4	4-26-71	SEE REV. REF. PRINT SH. 1 (ECB1399)	RWD.	RWD.
5	9-20-71	SEE REV. REF. PRINT SH. 1 (ECB1496)	P.G.P.	RWD.
6	30-MAY-72	SEE REV. REF. PRINT (ECB1695)	POP	RWD.
7	7-17-72	PLATING TABLE REMOVED (ECB1703)	RWD.	RWD.
REVISIONS CONTINUED ON SHEET 2				

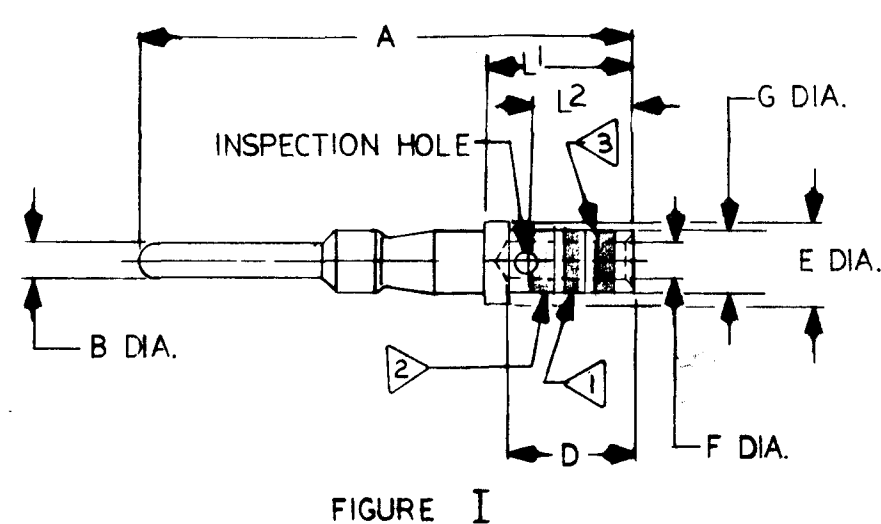


FIGURE I

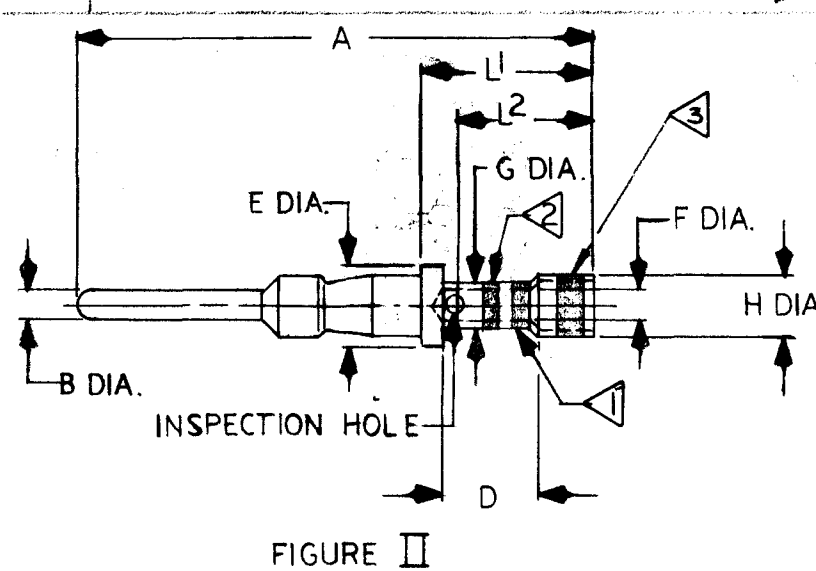


FIGURE II

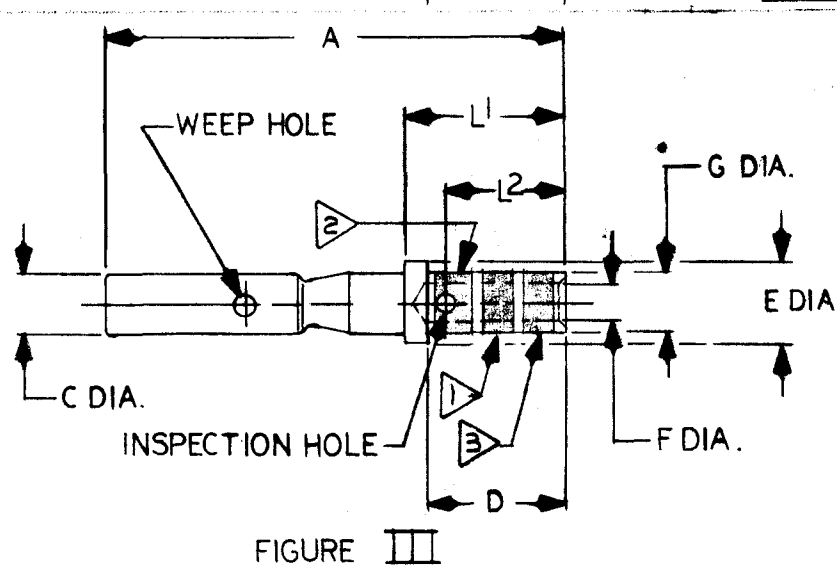


FIGURE III

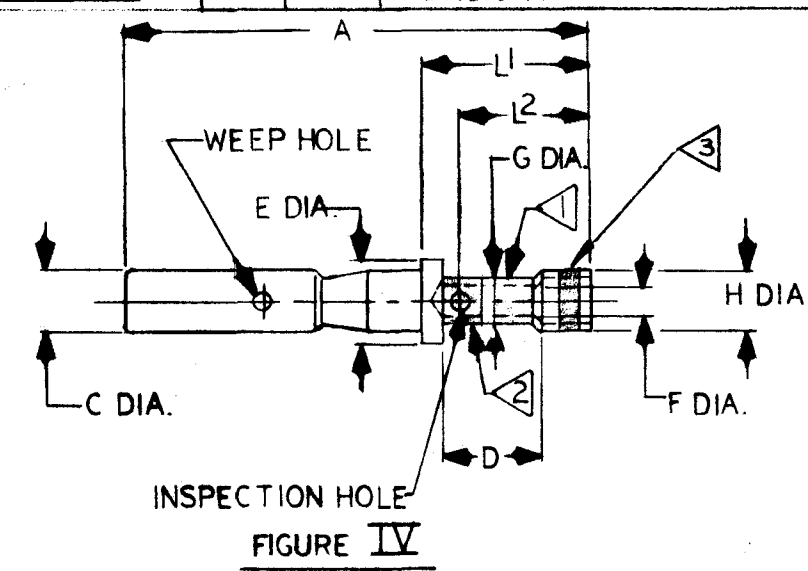


FIGURE IV

DOUGLAS CONTACT CATALOG NO.	PIN OR SOCKET	MATING END		WIRE BARREL				TOOLING					FIG.	FIG.								WEIGHT LBS./M.	BURNDY CATALOG NUMBER	L1 ±.002	L2 ±.005	
		SIZE	COLOR CODE	SIZE	COLOR CODE	ACCOMMODATES		CRIMP TOOL	DIE SET	STOP BUSHING	INSERTION TOOL	EXTRACTION TOOL		A ±.010	B DIA. ±.001	C DIA.	D STRIP LENGTH	E DIA.	F DIA.	G DIA.	H DIA. ±.001					
						CONDUCTOR MIN. MAX.	INSULATION MIN. DIA. MAX. DIA.																			
LRM12Z-5DE5	P	12	YELLOW	12	YELLOW	(#14)	(#12)	.112	.146	S-8	SL-4	RTM12-5	RX12-7	I	.905	.094	—	9/32	.202/.198	.102/.098	.153/.147	—	3.4	LRM12Z-5DE5	.296	.220
LRC12Z-5DE5	S	12	YELLOW	12	YELLOW	(#14)	(#12)	.112	.146	S-8	SL-4	RTM12-5	RX12-7	III	.844	—	.161/.158	9/32	.202/.198	.102/.098	.153/.147	—	3.5	LRC12Z-5DE5	.296	.220
LRM16M-5DE5	P	16	BLUE	16	BLUE	(#20)	(#16)	.074	.110	S-7	SL-2	RTM16-2V2	RX16-7V1	I	.905	.0625	—	9/32	.148/.144	.068/.066	.108/.101	—	1.6	LRM16M-5DE5	.296	.220
LRC16M-5DE5	S	16	BLUE	16	BLUE	(#20)	(#16)	.074	.110	S-7	SL-2	RTM16-2V2	RX16-7V1	III	.844	—	.113/.110	9/32	.148/.144	.068/.066	.108/.101	—	1.7	LRC16M-5DE5	.296	.220
LRM16M-6DE5	P	16	BLUE	16	BLUE	(#20)	(#16)	.074	.110	S-7	SL-2	RTM16-2V2	RX16-8	I	1.093	.0625	—	9/32	.148/.144	.068/.066	.108/.101	—	2.1	LRM16M-6DE5	.296	.220
LRC16M-6DE5	S	16	BLUE	16	BLUE	(#20)	(#16)	.074	.110	S-7	SL-2	RTM16-2V2	RX16-8	III	1.091	—	.113/.110	9/32	.148/.144	.068/.066	.108/.101	—	2.2	LRC16M-6DE5	.296	.220
LRM16W-2DE5	P	20	RED	16	BLUE	(#20)	(#16)	.090	.130	S-7	SL-44	RTM16-2	RX20-24V3	V	.905	.040	—	9/32	—	.068/.066	.105/.101	—	.9	LRM16W-2DE5	.296	.220
LRC16W-2DE5	S	20	RED	16	BLUE	(#20)	(#16)	.090	.130	S-7	SL-44	RTM16-2	RX20-24V3	VI	.844	—	.078/.076	9/32	—	.068/.066	.105/.101	—	1.0	LRC16W-2DE5	.296	.220
LRM20M-1DE5	P	16	BLUE	20	RED	(#24)	(#20)	.039	.079	S-6A	SL-64	RTM20-5 OR RTM20-14	RX16-8	II	.915	.0625	—	7/32	.148/.144	.050/.048	.078/.076	.105	1.5	LRM20M-1DE5	.306	.246
LRC20M-1DE5	S	16	BLUE	20	RED	(#24)	(#20)	.039	.079	S-6A	SL-64	RTM20-5 OR RTM20-14	RX16-8	IV	.854	—	.113/.110	7/32	.148/.144	.050/.048	.078/.076	.105	1.6	LRC20M-1DE5	.306	.246
LRM20M-2DE5	P	16	BLUE	20	RED	(#24)	(#20)	.039	.079	S-6A	SL-64	RTM20-5 OR RTM20-14	RX16-8	II	1.103	.0625	—	7/32	.148/.144	.050/.048	.078/.076	.105	2.0	LRM20M-2DE5	.306	.246
LRC20M-2DE5	S	16	BLUE	20	RED	(#24)	(#20)	.039	.079	S-6A	SL-64	RTM20-5 OR RTM20-14	RX16-8	IV	1.101	—	.113/.110	7/32	.148/.144	.050/.048	.078/.076	.105	2.1	LRC20M-2DE5	.306	.246
LRM20W-5DE5	P	20	RED	20	RED	(#24)	(#20)	.090	.130	S-6A	SL-3A	RTM20-5 OR RTM20-14	RX20-24V3	II	.915	.040	—	7/32	.103/.100	.050/.048	.078/.076	.105	.8	LRM20W-5DE5	.306	.246
LRC20W-5DE5	S	20	RED	20	RED	(#24)	(#20)	.090	.130	S-6A	SL-3A	RTM20-5 OR RTM20-14	RX20-24V3	IV	.854	—	.078/.076	7/32	.103/.100	.050/.048	.078/.076	.105	.9	LRC20W-5DE5	.306	.246
LRM22M-1DE5	P	16	BLUE	22	GREEN	(#24)	(#22)	.080	.120	S-6A	SL-64	RTM16-2	RX16-7	II	.915	.0625	—	7/32	.148/.144	.038/.036	.066/.064	.105	1.7	LRM22M-1DE5	.306	.246
LRC22M-1DE5	S	16	BLUE	22	GREEN	(#24)	(#22)	.080	.120	S-6A	SL-64	RTM16-2	RX16-7	IV	.854	—	.113/.110	7/32	.148/.144	.038/.036	.066/.064	.105	1.8	LRC22M-1DE5	.306	.246
LRM22M-2DE5	P	16	BLUE	22	GREEN	(#24)	(#22)	.080	.120	S-6A	SL-64	RTM16-2	RX16-8	II	1.103	.0625	—	7/32	.148/.144	.038/.036	.066/.064	.105	1.8	LRM22M-2DE5	.306	.246
LRC22M-2DE5	S	16	BLUE	22	GREEN	(#24)	(#22)	.080	.120	S-6A	SL-64	RTM16-2	RX16-8	IV	1.101	—	.113/.110	7/32	.148/.144	.038/.036	.066/.064	.105	2.2	LRC22M-2DE5	.306	.246

NOTES:

▲▲▲ DENOTES WIRE BARREL.
▲ DENOTES MATING END.
BLACK DENOTES 5015
TYPE CONTACT AND IS ONLY
APPLICABLE IF 3 APPEARS TO
LEFT OF CATALOG NUMBER.

▲ TO ORDER REEL MOUNTED CONTACTS, PRECEDE CONTACT
CATALOG NO. WITH "C" - EXAMPLE - CLRC16M-5DE5
INDICATES LRC16M-5DE5 CONTACTS MOUNTED IN REELED
CARRY STRIP FOR BANDOMATIC ASSEMBLY.
REF. ASTM B33-63 AIRCRAFT WIRE ONLY.

▲ FOR NEW CONTACTS REPLACING SUPERSEDED
CONTACTS SEE DWG. SDW1119

IDENTIFICATION STRIPES
IN ACCORDANCE WITH:
MIL-C-23216
MS 3190
MS 3192C
MS 3193B

MATERIAL: BRASS

PLATING TABLE	
SUFFIX	PLATING
DE5	GOLD OVER COPPER

FSCM NO. 09922

BANTAM PIN AND SOCKET CONTACTS	
CAT. NO. LRM/LRC	(TABLE)
DRAWN RJR2	CHECKED 10-29-70
DES. APPROV. 11-13-70 C.B.	PROD. APPROV. 11-13-70
DRAWING NO. SD71175	
SHEET 1 OF 2	

SD7117S

REV.	DATE	REVISION DESCRIPTION	BY	CHK'D.
12	11-21-83	SHT. 1, NOTE 3, ADDED. AND IS ONLY APPLICABLE IF IT APPEARS TO LEFT OF CAT. NO. (DC11095)	DA	C.B.
13	3/24/79	REMOVED BR FROM DRAWING # MATERIAL: BRASS PER ECN 4328	DAF	SAF

REV.	DATE	REVISION DESCRIPTION	BY	CHK'D.
8	3-23-74	REVISIONS CONTINUED FROM SHEET 1 SHEET 2, NOTE 'A' WAS NOTE '4' NOTE 'B' ADDED. (ECB1968 & ADD.)	D.L.	P.J.B.
9	4-29-81	SHTS. 1 & 2, SEE REV. REF. (ECC4269) PRINT.	L.H.	SFP
10	9-15-81	SHTS. 1 & 2 SEE REV. REF. (DC10,666) PRINTS	L.H.	SFP
11	9/9/83	ADDED NOTE 6, SUPERSEDED CAT. NO'S. LRM12Z23DES, LRC12Z23DES, LRM16M23DES, LRC16M23DES, LRM20W23DES, LRC20W23DES PER ECW1395	S.E.	CEB

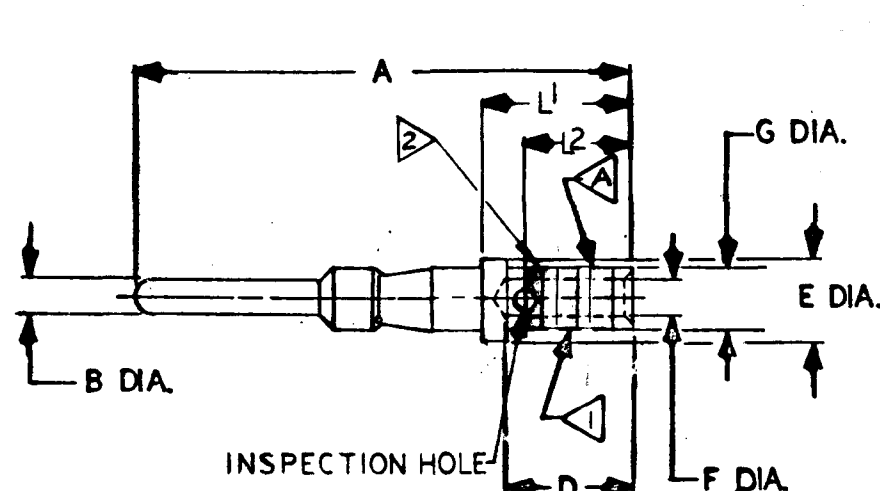


FIGURE I

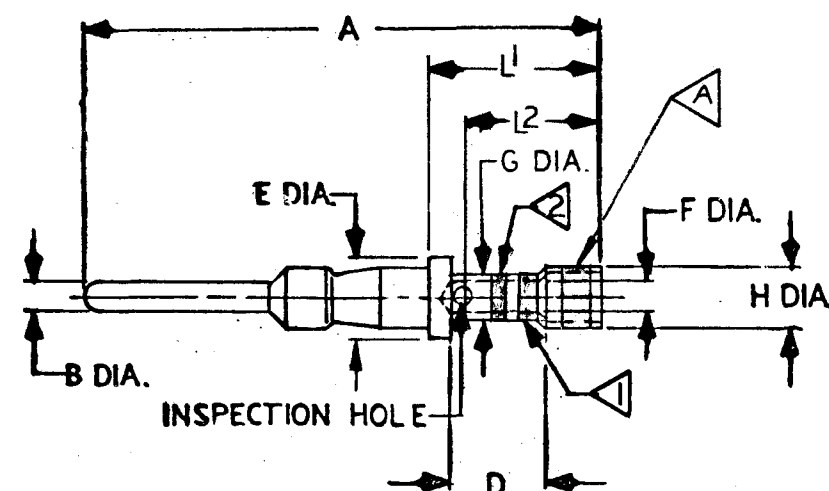


FIGURE II

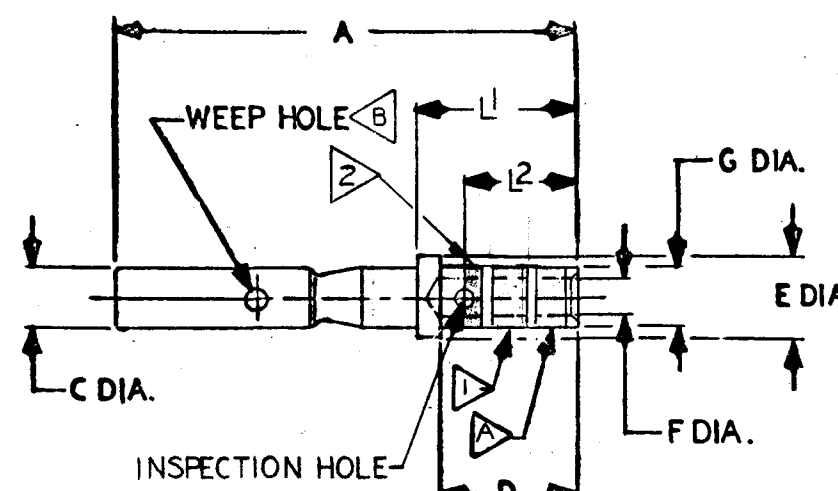


FIGURE III

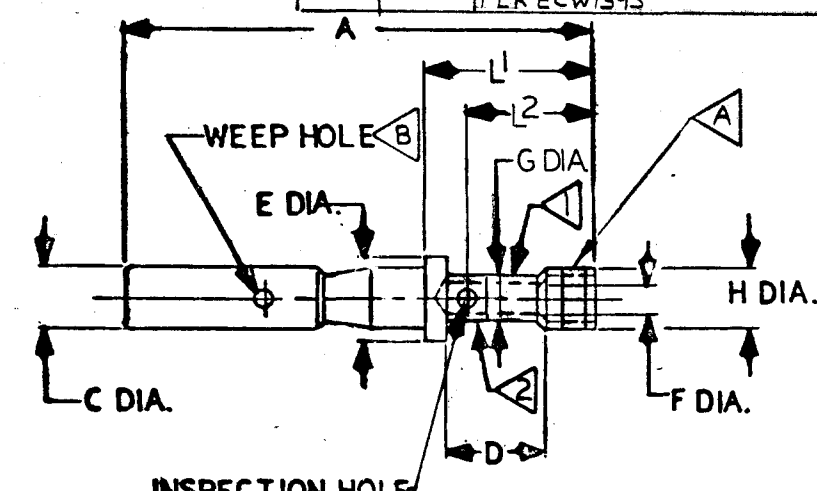


FIGURE IV

CONTACT CATALOG NO.	PIN OR SOCKET	MATING END		WIRE BARREL			TOOLING					FIG.	DIMENSIONS								MATERIAL	WEIGHT LBS/M	FINISH		L1 L2				
		SIZE	COLOR CODE	SIZE	COLOR CODE	ACCOMMODATES		CRIMP TOOL	DIE SET	STOP BUSHING	INSERTION TOOL		EXTRACTION TOOL	A ±.010	B DIA. ±.001	C DIA.	D STRIP LENGTH	E DIA.	F DIA. ±.001	G DIA.					H DIA. ±.001	L1 ±.002	L2 ±.005		
						MIN.	MAX.																					PER	
LRM16M-9	P	16	BLUE	16	BLUE	.038	.057	REGULAR GRADE THERMOCOUPLE	M10S-1	S7	SL 2	RTM16-2	RX16-7	I	.905	.0625	—	9/32	.148/.144	.067	.105/.101	—	ALUMEL	1.7	NONE	.296	.220		
LRC16M-9	S	16	BLUE	16	BLUE	#20	#16	WIRE PER MIL-W-5846 TYPE I, CLASS D,E						III	.844	—	.113/.110	9/32		.067				—	1.8	NONE	.296	.220	
LRM16M-10	P	16	BLUE	16	BLUE	.038	.057	WIRE PER MIL-W-5846 TYPE I, CLASS D,E						I	.905	.0625	—	9/32		.067				—	1.7	NONE	.296	.220	
LRC16M-10	S	16	BLUE	16	BLUE	#20	#16	WIRE PER MIL-W-5846 TYPE I, CLASS D,E						III	.844	—	.113/.110	9/32		.067				—	1.8	NONE	.296	.220	
LRM16M-11	P	16	BLUE	16	BLUE	.038	.057	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						I	.905	.0625	—	9/32		.067				—	1.4	CAD. PLATE	.296	.220	
LRC16M-11	S	16	BLUE	16	BLUE	#20	#16	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						III	.844	—	.113/.110	9/32		.067				—	1.5	CAD. PLATE	.296	.220	
LRM16M-12	P	16	BLUE	16	BLUE	.038	.057	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						I	.905	.0625	—	9/32		.067				—	1.7	NONE	.296	.220	
LRC16M-12	S	16	BLUE	16	BLUE	#20	#16	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						III	.844	—	.113/.110	9/32		.067				—	1.8	NONE	.296	.220	
LRM20W-9	P	20	RED	20	RED	.024	.038	REGULAR GRADE THERMOCOUPLE		S6A	SL-3A	RTM20-5	RX20-24V3	II	.915	.040	—	7/32	.103/.100	.049	.078/.076	.105	ALUMEL	.8	NONE	.306	.246		
LRC20W-9	S	20	RED	20	RED	#24	#20	WIRE PER MIL-W-5846 TYPE I, CLASS D,E						IV	.854	—	.078/.076	7/32		.049				.105	.9	NONE	.306	.246	
LRM20W-10	P	20	RED	20	RED	.024	.038	WIRE PER MIL-W-5846 TYPE I, CLASS D,E						II	.915	.040	—	7/32		.049				.105	.8	NONE	.306	.246	
LRC20W-10	S	20	RED	20	RED	#24	#20	WIRE PER MIL-W-5846 TYPE I, CLASS D,E						IV	.854	—	.078/.076	7/32		.049				.105	.9	NONE	.306	.246	
LRM20W-11	P	20	RED	20	RED	.024	.038	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						II	.915	.040	—	7/32		.049				.105	.7	CAD. PLATE	.306	.246	
LRC20W-11	S	20	RED	20	RED	#24	#20	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						IV	.854	—	.078/.076	7/32		.049				.105	.8	CAD. PLATE	.306	.246	
LRM20W-12	P	20	RED	20	RED	.024	.038	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						II	.915	.040	—	7/32		.049				.105	CONSTANTAN	.8	NONE	.306	.246
LRC20W-12	S	20	RED	20	RED	#24	#20	THERMOCOUPLE WIRE PER MIL-W-5845 TYPE I, CLASS D,E						IV	.854	—	.078/.076	7/32		.049				.105		.9	NONE	.306	.246

NOTES:

GREEN DENOTES ALUMEL
WHITE DENOTES CHROMEL
YELLOW DENOTES CONSTANTAN
BLACK DENOTES IRON

THERMOCOUPLE CONTACTS ONLY

WEEP HOLE ON LRC16M-11 AND
LRC20W-11 ONLY.

CONSULT FACTORY FOR
AVAILABILITY.

FSCM NO. 09922

THERMOCOUPLE CONTACTS	
BANTAM PIN AND SOCKET CONTACTS	
CAT. NO. LRM/LRC	(TABLE)
DRAWN RJR2	CHECKED 10-29-70
DES. APPROV. 11/13-70 C.B.	PROD. APPROV. 11/13-70
DRAWING NO. SD7117S13	
SHEET 2 OF 2	
DOB-1069	

Mouser Electronics

Authorized Distributor

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Souriau:

[RX20-25GE1](#) [RX-20-24V5](#) [RX16-8V1](#) [RTM20-5](#) [RX20-24P23](#) [RTM20-5P1](#)