

Q# 20087845

SIZE	DES. NO.	SH	REV
A	312A4210	1	E

PMC Specialty

LISA Colonial

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
C	REVISION HISTORY REMOVED SH 1 -UPDATED REV STATUS SH 2 -CHANGED FSCM NO.	<i>DM</i> 9/5/11/4	MJM <i>DM</i>

EFFECTIVE SEPTEMBER 25, 2000 LOCKHEED MARTIN CONTROL SYSTEMS BECAME BAE SYSTEMS CONTROL SYSTEMS, JOHNSON CITY, NY.

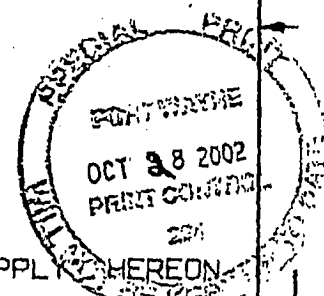
DOCUMENT REVISION	REVISION STATUS OF SHEETS				
	C	SH	1	2	3
	REV	C	C	B	

EFFECTIVE JANUARY 29, 1996 MARTIN MARIETTA CONTROL SYSTEMS BECAME LOCKHEED MARTIN CONTROL SYSTEMS, JOHNSON CITY, NEW YORK

EFFECTIVE APRIL 2, 1993 GENERAL ELECTRIC AIRCRAFT CONTROLS BECAME MARTIN MARIETTA CONTROL SYSTEMS, JOHNSON CITY, NEW YORK

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CONTRACT NO: NOT APPLICABLE



IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SPECIFICATION CONTROL DRAWING ⁶ NOV 13 1998
SUBSTITUTIONS REQUIRE ENGINEERING APPROVAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PL. DECIMALS ± 3 PL. DECIMALS ± ANGLES & FRACTIONS ±	SIGNATURES	DATE	GENERAL ELECTRIC ACSD DEPT LOC BINGHAMTON, N.Y. 284
	DRAWN RK	2/27/87	
	CHECKED J. CHRISTIAN	3/6/87	
	ENGRG CMG	3/15/87	
ISSUED JES	3/11/87		WIRE, ELECTRICAL, CHROMEL AND/OR ALUMEL, THERMOCOUPLE-POLYTETRAFLUOROETHYLENE INSULATED STRANDED CONDUCTOR
130 554-2	NAT'L GE BISHOPP	3/5/87	
	MFG SUPPLIER DA		
	SIZE A	FSCM NO. 89954	DES. NO. 312A4210
	SCALE NONE		SHEET 1 OF 3

ADRA

6685 51/0111 CF6-80C2 BIF

Lockheed

GE PART NO.	CONDUCTOR	SIZE AWG	STRANDS QTY	STRANDS AWG	VENDOR PART NO.	EQPT. REV.
1	CHROMEL	28	7	36	TF-28F-KP	-
2	ALUMEL	28	7	36	TF-28F-KN	-
3	CHROMEL	24	7	32	TF-24F-KP	-
4	ALUMEL	24	7	32	TF-24F-KN	-
5	CHROMEL	22	7	30	TF-22F-KP	-
6	ALUMEL	22	7	30	TF-22F-KN	-
7	CHROMEL	20	7	28	TF-20F-KP	-
8	ALUMEL	20	7	28	TF-20F-KN	-
9	TSP, CHROMEL/ALUMEL	24	N/A	N/A	TF/ALTFTW-24K	A
10	TSP, CHROMEL/ALUMEL	24	7/ CONDUCTOR	32	TZ/ALNO/ TZ-24F-K	B

SUGGESTED SOURCE(S) OF SUPPLY

FSCM

MANUFACTURER

99195

THERMO ELECTRIC CO. INC.
109 FIFTH ST
SADDLEBROOK, NJ 07662-6125

(201) 843-5800

Fax (201) 291-1190

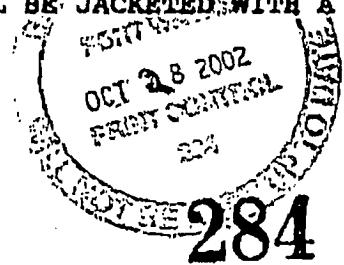


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SIZE A	FSCM 89954	DRAWING NO 312A4210
SCALE NONE	REV C	SHEET 2

NOTES:

1. THIS SPECIFICATION PRESENTS REQUIREMENTS FOR POLYTETRAFLUOROETHYLENE INSULATED STRANDED CONDUCTOR, CHROMEL AND ALUMEL THERMOCOUPLE WIRE.
2. THE WIRE FOR PARTS 1 THRU 8 SHALL CONFORM TO MIL-W-5846, TYPE 1, CLASS D, EXCEPT THE INSULATION SHALL CONSIST OF A CONCENTRIC LAYER OR LAYERS OF POLYTETRAFLUOROETHYLENE.
3. THE CONDUCTORS SHALL CONSIST OF CHROMEL OR ALUMEL AS SPECIFIED HEREIN AND SHALL BE FREE FROM LUMPS, KINKS, SPLITS, ABRASIONS AND SCRAPED OR CORRODED SURFACES.
4. THE INSULATION OF THE CHROMEL CONDUCTOR SHALL BE COLORED YELLOW AND THE ALUMEL CONDUCTOR SHALL BE COLORED RED.
5. THE QUANTITY OF CHROMEL AND ALUMEL WIRE COMPRISING THE LOT OR ORDER SHALL BE FURNISHED BY THE SAME VENDOR ON SEPARATE SPOOLS. EACH SPOOL SHALL BE PERMANENTLY MARKED WITH THE FOLLOWING INFORMATION:
 - (A) QUANTITY
 - (B) LOT NUMBER
 - (C) MANUFACTURER'S NAME
 - (D) GE PART NUMBER AND REVISION NUMBER.
6. THE WIRE FOR PART 9 SHALL CONFORM TO MIL-W-5846, TYPE 1, CLASS D, EXCEPT THE INSULATION SHALL CONSIST OF A CONCENTRIC LAYER OR LAYERS OF POLYTETRAFLUOROETHYLENE. THE WIRE IS TWISTED CHROMEL/ALUMEL THERMOCOUPLE PAIR CONSISTING OF SOLID WIRE WITH A TEFLON INSULATING JACKET ON EACH CONDUCTOR. THE THERMOCOUPLE PAIR IS SHIELDED WITH AN ALUMINUM/POLYESTER BACKED TAPE WHICH IS PROTECTED WITH A BROWN TFE TEFLON OUTER JACKET.
7. THE WIRE FOR PART 10 SHALL CONFORM TO MIL-W-5846, TYPE 1, CLASS D, EXCEPT THE CONDUCTORS SHALL BE INSULATED WITH A NOMINAL 10 MIL WALL OF EXTRUDED TEFZEL. THE CONDUCTORS SHALL CONSIST OF STRANDED CHROMEL/ALUMEL THERMOCOUPLE WIRE AND THE PAIR TWISTED WITH A TWO INCH LAY. THE TWISTED PAIR SHALL BE WRAPPED WITH ALUMINUM/NOMAK COMPOSITE TAPE (MINIMUM 25% LAP) IN CONTINUOUS CONTACT WITH A 24 AWG (7 STRAND) TINNED COPPER DRAIN WIRE. THE TWISTED, SHIELDED PAIR WILL BE JACKETED WITH A NOMINAL 15 MIL WALL OF TEFZEL, COLORED BROWN.



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SCALE NONE	REV B	SHEET 3