

REVISIONS

CHK	ENGRG NOTICE	LTR	DESCRIPTION	DATE	APPROVED
	EN98971MD	-	RELEASE	1/13/00	
	EN98972BJ	A	ADD -36 THROUGH -53; Correct Company title box; Add "A" to M27500 similar part number.		P. SANDBANK
	EN98973JH	B	ADD NEW CONSTRUCTIONS, -54 & -55. CLEARIFY FOOTNOTE 2/.		P. SANDBANK
	EN98973SS	C	ADD NEW CONSTRUCTION/COLORS, -56, 22 AWG		P. SANDBANK
	EN98973TF	D	ADD SHEET 4 & NEW CABLES, -57 THRU -63; REFORMAT SHEETS 2 & 3. ADD COLOR REF TO SHEET 2. ADD NOTE 3.		P. SANDBANK
	EN98974L	E	ADD -64, -65, -66		P. SANDBANK
	EN98974AK	F	ADD -67, -68		P. SANDBANK
	EN98974AV	G	ADD -69		P. SANDBANK
	EN98974BN	H	ADD -70, -71, -72, -73, -74; ADD CONSTRUCTION TABLE, SH 5, 6		P. SANDBANK
	EN98974CB	J	ADD -75, -76, -77, -78		P. SANDBANK
	EN98974CV	K	ADD -79, -80; ADD NEW SHEET 5; REPAGINATE 6, 7; CORRECTED -63 IN SORTED LISTING		P. SANDBANK
	EN98974EM	L	ADD -81		P. SANDBANK
	EN98974ES	M	ADD -82		P. SANDBANK
	ECN0001810	N	ADD -83, -84		P. SANDBANK
	ECN0002023 ECN0002067	P	CHANGE JACKET MATERIAL ON -83, -84 CHANGE -5 "UM", INCORPORATE DUAL "P" REVISIONS	12/22/04	P. SANDBANK
	ECN0004015	R	DELETE ADPS NOTE AND ADD LOCKHEED MARTIN PART NO. COLUMN AND "N" NO.	02/24/06	C. MURPHY
	ECN0004531	T	ADD -85 THRU -88	06/27/06	C. MURPHY
	ECN0005931	U	ADD -89	04/04/07	M. QUIROLO
	ECN0006020	V	ADD -90 THRU -93	04/04/07	C. MURPHY
	ECN0006544	W	ADD -94 THRU -97	06/26/07	C. MURPHY
	ECN0008662	Y	ADD -98 THRU -101	05/30/08	C. MURPHY
	ECN0011489	AA	ADD -102 THRU -136 AND REDRAWN	04/22/09	C. MURPHY

AB	AB			
9	10			

PART NO SEE TAB

AB	AB	AB	AB	AB	CONTRACT NO N00019-98-C-0013	<i>LOCKHEED MARTIN</i>		9500 Godwin Drive Manassas, Va. 20110	
4	5	6	7	8	PREPARATION DATE P. G. SANDBANK 99-06-01	TITLE CABLE, POWER, ELECTRICAL, SHIELDED AND UNSHIELDED.			
REV	AB	AB	AB	DESIGN CHECK DATE P. G. LEIGH 99-06-02					
SH	1	2	3	DRAWING CHECK DATE P. G. SANDBANK 99-06-02					
REV STATUS OF SHEETS (DO NOT USE ON SPECIFICATIONS)					DESIGN APPROVAL DATE A.M. WALKER 99-06-02	SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
					OTHER APPROVAL(SPECIFY) DATE	SCALE	WT	SHEET 1 OF 10	

CHK	ENGRG NOTICE	LTR	DESCRIPTION	DATE	APPROVED
	ECN0014567	AB	ADD -137 THRU -142	4/16/10	C. MURPHY

NOTES:

- 1/ CABLE IS UNSHIELDED AND UNJACKETED.
- 2/ UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER, PART MARKING ON THE CABLE IS OPTIONAL.
- 3/ FIRST NUMBER IDENTIFIES PRIMARY WIRE COLOR, SECOND NUMBER IDENTIFIES COLOR STRIPE OR RING MARKING ON WIRE.
- 4/ WIRE TO BE MANUFACTURED PER THE REQUIREMENTS OF MIL-DTL-27500.
- 5/ EXCEPTION TO MIL-DTL-27500 COLOR CODING SHOWN IN TABULATION CHART AS SHOWN.
- 6/ COLOR CODING OF THE NUMBER OF WIRES REQUIRED ARE SHOWN IN THE TABULATION CHART (SEE COLOR CODE TABLE I) FOR COLORS.
- 7/ THE PART IDENTIFICATION NUMBER (PIN) DOES NOT ADEQUATELY DEFINE VARIATIONS IN THESE ITEMS.
- 8/ (S) INDICATES SHIELDED CONSTRUCTION
- 9/ # SILVER PLATED HIGH STRENGTH COPPER ALLOY CONDUCTORS

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET	2

TABULATION CHART

233A528 DASH NUMBER	233A528 REV.(REF)	SEE NOTES 2/ AND 4/	PRIMARY AWG	SEE NOTES 5/ AND 6/					JACKET COLOR	LOCKHEED MARTIN PART NUMBER
				WIRE NUMBER						
				1	2	3	4	5		
-1	R	M27500A22RC3S06	22	2	0	6			9	N104145
-2	R	M27500A08RC2S06	8	2	0				9	N104146
-3	R	M27500A10RC2S06	10	2	0				9	N104147
-4	R	M27500A20RC2S06	20	2	0				9	N104148
-5	R	M27500A22RC2S06	22	9	0				9	N104149
-6	R	M27500A20RC2S06	20	9	9				9	N114604
-7	R	M27500A20RC2S06	20	9	0				9	N104150
-8	R	M27500A22RC2U00	22	9	0				1/	N104151
-9	R	M27500A20RC2U00	20	6	1				1/	N104152
-10	R	M27500A20RC2U00	20	3	1				1/	N104153
-11	R	M27500A20RC2U00	20	2	1				1/	N104154
-12	R	M27500A20RC2U00	20	9	1				1/	N104155
-13	R	M27500A20RC2U00	20	4	1				1/	N104156
-14	R	M27500A24RC2U00	24	2	0				1/	N104157
-15	R	M27500A22RC2U00	22	2	0				1/	N103126
-16	R	M27500A18RC2S06	18	9	0				9	N103612
-17	R	M27500A18RC2S06	18	7	0				9	N103718
-18	R	M27500A18RC2S06	18	2	0				9	N103719
-19	R	M27500A24RC2S06	24	9	0				9	N102605
-20	R	M27500A26RC2S06	26	9	0				9	N103720
-21	R	M27500A28RC2S06	28	9	0				9	N103721
-22	R	M27500A16RC2S06	16	9	0				9	N104159
-23	R	M27500A16RC2S06	16	2	0				9	N103109
-24	R	M27500A18RC2U00	18	9	0				1/	N104160
-25	R	M27500A18RC2U00	18	7	0				1/	N103773
-26	R	M27500A18RC2U00	18	2	0				1/	N103723
-27	R	M27500A24RC2U00	24	9	0				1/	N104162
-28	R	M27500A26RC2U00	26	9	0				1/	N104163
-29	R	M27500A28RC2U00	28	9	0				1/	N104164
-30	R	M27500A16RC2U00	16	9	0				1/	N104165

CODE	COLOR	CODE	COLOR
0	BLACK	5	GREEN
1	BROWN	6	BLUE
2	RED	7	VIOLET
3	ORANGE	8	GRAY
4	YELLOW	9	WHITE

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET	3

233A528 DASH NUMBER	233A528 REV. (REF)	SEE NOTES 2/ AND 4/	PRIMARY AWG	SEE NOTES 5/ AND 6/					JACKET COLOR	LOCKHEED MARTIN PART NUMBER
				WIRE NUMBER						
				1	2	3	4	5		
-31	R	M27500A16RC2U00	16	2	0				1/	N104166
-32	R	M27500A18RC3S06	18	9	0	2			9	N103727
-33	R	M27500A18RC3U00	18	2	0	7			1/	N103724
-34	R	M27500A22RC3U00	22	2	0	7			1/	N103725
-35	R	M27500A16RC2S06	16	7	0				9	N103490
-36	R	M27500A20RC4S06	20	0	2	6	9		9	N104167
-37	R	M27500A22RC4S06	22	0	2	6	9		9	N104168
-38	R	M27500A24RC4S06	24	0	2	6	9		9	N104169
-39	R	M27500A26RC4S06	26	0	2	6	9		9	N104170
-40	R	M27500A28RC4S06	28	0	2	6	9		9	N104171
-41	R	M27500A16RC2U00	16	0	7				1/	N104172
-42	R	M27500A22RC2S06	22	0	2				9	N104252
-43	R	NOT USED	N/A							-
-44	R	NOT USED, SEE -15	22							-
-45	R	M27500A20RC2U00	20	0	9				1/	N104253
-46	R	M27500A16RC2U00	16	2	9				1/	N104254
-47	R	M27500A16RC2U00	16	6	9				1/	N104255
-48	R	M27500A22RC2S06	22	2	9				9	N104256
-49	R	M27500A22RC2U00	22	2	7				1/	N104257
-50	R	M27500A12RC2U00	12	0	9				1/	N104258
-51	R	M27500A12RC2U00	12	0	2				1/	N104259
-52	R	M27500A12RC2U00	12	2	9				1/	N104260
-53	R	M27500A22RC2U00	22	2	9				1/	N104261
-54	R	M27500A14RC2S06	14	2	9				9	N100858
-55	R	M27500A14RC2S06	14	0	9				9	N114605
-56	R	M27500A22RC2U00	22	9	7				1/	N114606
-57	R	M27500A22RC3U00	22	0	90 3/	9	-	-	1/	N106125
-58	R	M27500A18RC3S06	18	0	9	5	-	-	9	N112095
-59	R	M27500A16RC3U00	16	2	0	5	-	-	1/	N106206
-60	R	M27500A12RC3U00	12	2	0	5	-	-	1/	N106207

CODE	COLOR	CODE	COLOR
0	BLACK	5	GREEN
1	BROWN	6	BLUE
2	RED	7	VIOLET
3	ORANGE	8	GRAY
4	YELLOW	9	WHITE

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET 4	

233A528 DASH NUMBER	233A528 REV.(REF)	SEE NOTES 2/ AND 4/	PRIMARY AWG	SEE NOTES 5/ AND 6/					JACKET COLOR	LOCKHEED MARTIN PART NUMBER
				WIRE NUMBER						
				1	2	3	4	5		
-61	R	M27500A12RC3U00	12	9	0	2	-	-	1/	N106229
-62	R	M27500A20RC2U00	20	2	0	-	-	-	1/	N106373
-63	R	M27500A18RC3U00	18	2	0	5	-	-	1/	N106124
-64	R	M27500A12RC2S09	12	2	0				9	N107512
-65	R	M27500A14RC2S09	14	2	0				9	N107517
-66	R	M27500A20RC2S09	20	2	0				9	N107518
-67	R	M27500A18RC3U00	18	2	9	5			1/	N107861
-68	R	M27500A18RC3U00	18	0	9	5			1/	N106126
-69	R	M27500A16RC3U00	16	9	0	5			1/	N107862
-70	R	M27500A20RC3U00	20	9	0	5			1/	N108065
-71	R	M27500A16RC3U00	16	2	5	9			1/	N107998
-72	R	M27500A16RC3S09	16	2	5	9			9	N107996
-73	R	M27500A18RC2U00	18	2	9				1/	N107999
-74	R	M27500A18RC2S09	18	2	9				9	N107997
-75	R	M27500A18RC3U00	18	0	2	9			1/	N107993
-76	R	M27500A14RC3U00	14	0	2	5			1/	N107994
-77	R	M27500A14RC3S09	14	0	2	5			9	N107992
-78	R	M27500A14RC4U00	14	0	2	5	9		1/	N107991
-79	R	M27500A18RC4U00	18	0	2	5	9		1/	N108589
-80	R	M27500A14RC3U00	14	0	5	9			1/	N108540
-81	R	M27500A22RC3S09	22	3	6	9			9	N114607
-82	R	M27500A12RC3S09	12	0	2	9			9	N105049
-83	R	M27500A28SC2S09	28	0	9				9	N110640
-84	R	M27500A30SC2S09	30	0	9				9	N110641
-85	T	M27500A18RC3U00	18	0	90 3/	9	-	-	1/	N115427
-86	T	M27500A20RC3U00	20	0	90 3/	9	-	-	1/	N115428
-87	T	M27500A24RC3U00	24	0	90 3/	9	-	-	1/	N115429
-88	T	M27500A26RC3U00	26	0	90 3/	9	-	-	1/	N115430
-89	U	M27500A24RC3S06	24	2	0	6			9	N117666
-90	V	M27500A20RC3U00	20	0	2	9			1/	N117852

CODE	COLOR	CODE	COLOR
0	BLACK	5	GREEN
1	BROWN	6	BLUE
2	RED	7	VIOLET
3	ORANGE	8	GRAY
4	YELLOW	9	WHITE

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET 5	

233A 528 DASH NUMBER	233A 528 REV.(REF)	SEE NOTES 2/ AND 4/	PRIMARY AWG	SEE NOTES 5/ AND 6/					JACKET COLOR	LOCKHEED MARTIN PART NUMBER
				WIRE NUMBER						
				1	2	3	4	5		
-91	V	M27500A20RC3S09	20	0	2	9			9	N117853
-92	V	M27500A22RC3U00	22	0	2	9			1/	N117854
-93	V	M27500A22RC3S09	22	0	2	9			9	N117855
-94	W	M27500A16RC3U00	16	0	2	9			1/	N118722
-95	W	M27500A16RC3S09	16	0	2	9			9	N118723
-96	W	M27500A14RC3U00	14	0	2	9			1/	N118724
-97	W	M27500A14RC3S09	14	0	2	9			9	N118726
-98	Y	M27500A16RC4U00	16	0	2	6	9		1/	N121708
-99	Y	M27500A16RC4S09	16	0	2	6	9		9	N121709
-100	Y	M27500A14RC2U00	14	0	9				1/	N121752
-101	Y	M27500A14RC2U00	14	2	9				1/	N121753
-102	AA	M27500A12RC3U00	12	0	5	9			1/	N126907
-103	AA	M27500A12RC3S09	12	0	5	9			9	N126908
-104	AA	M27500A14RC2U00	14	0	2				1/	N126865
-105	AA	M27500A14RC4S09	14	0	2	5	9		9	N126866
-106	AA	M27500A14RC3S09	14	0	5	9			9	N126867
-107	AA	M27500A16RC3S09	16	0	2	5			9	N126868
-108	AA	M27500A16RC3S09	16	0	5	9			9	N126869
-109	AA	M27500A16RC2S09	16	2	9				9	N126870
-110	AA	M27500A16RC2S09	16	6	9				9	N126871
-111	AA	M27500A18RC3S09	18	0	2	5			9	N126872
-112	AA	M27500A18RC4S09	18	0	2	5	9		9	N126873
-113	AA	M27500A18RC3S09	18	0	2	7			9	N126874
-114	AA	M27500A18RC3S09	18	2	5	9			9	N126875
-115	AA	M27500A18RC3S09	18	0	90	9			9	N126876
-116	AA	M27500A20RC4U00	20	0	2	6	9		1/	N126877
-117	AA	M27500A20RC3S09	20	0	5	9			9	N126878
-118	AA	M27500A22RC3U00	22	0	2	6			1/	N126879
-119	AA	M27500A22RC4U00	22	0	2	6	9		1/	N126880
-120	AA	M27500A22RC3S09	22	0	2	7			9	N126881

CODE	COLOR	CODE	COLOR
0	BLACK	5	GREEN
1	BROWN	6	BLUE
2	RED	7	VIOLET
3	ORANGE	8	GRAY
4	YELLOW	9	WHITE

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET 6	

233A528 DASH NUMBER	233A528 REV.(REF)	SEE NOTES <u>2/</u> AND <u>4/</u>	PRIMARY AWG	SEE NOTES <u>5/</u> AND <u>6/</u>					JACKET COLOR	LOCKHEED MARTIN PART NUMBER
				WIRE NUMBER						
				1	2	3	4	5		
-121	AA	M27500A22RC3U00	22	0	5	9			1/	N126859
-122	AA	M27500A22RC3S09	22	0	5	9			9	N126861
-123	AA	M27500A24RC2S09	24	0	2				9	N126882
-124	AA	M27500A24RC4U00	24	0	2	6	9		1/	N126883
-125	AA	M27500A24RC3U00	24	0	2	6			1/	N126884
-126	AA	M27500A24RC3U00	24	0	5	9			1/	N126885
-127	AA	M27500A24RC3S09	24	0	5	9			9	N126886
-128	AA	M27500A24RC3U00	24	0	2	9			1/	N126889
-129	AA	M27500A24RC3S09	24	0	2	9			9	N126892
-130	AA	M27500A26RC4U00	26	0	2	6	9		1/	N126894
-131	AA	M27500A26RC3U00	26	0	2	9			1/	N126898
-132	AA	M27500A26RC3S09	26	0	2	9			9	N126904
-133	AA	M27500A26RC3U00	26	0	5	9			1/	N126905
-134	AA	M27500A26RC3S09	26	0	5	9			9	N126906
-135	AA	M27500A14RC3U00	14	2	5	9			1/	N126939
-136	AA	M27500A14RC3S09	14	2	5	9			9	N126940
-137	AB	M27500A20RC3U00	20	2	5	9			1/	N129183
-138	AB	M27500A20RC3S09	20	2	5	9			9	N129184
-139	AB	M27500A20RC3U00	20	0	2	5	9		1/	N130418
-140	AB	M27500A20RC3S09	20	0	2	5	9		9	N130419
-141	AB	M27500A20RC3U00	20	0	2	5			1/	N130522
-142	AB	M27500A20RC3S09	20	0	2	5			9	N130523

COLOR CODE TABLE (REF.)				
CODE	COLOR		CODE	COLOR
0	BLACK		5	GREEN
1	BROWN		6	BLUE
2	RED		7	VIOLET
3	ORANGE		8	GRAY
4	YELLOW		9	WHITE

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET	7

233A528 PART NUMBER SORTED BY CONSTRUCTION / COLORS

WIRE AWG ^{8/}	PRIMARY WIRE COLORS					DASH NUMBER	WIRE AWG ^{8/}	PRIMARY WIRE COLORS					DASH NUMBER
	1	2	3	4	5			1	2	3	4	5	
8(S)	0	2				-2	16	0	2				-31
							16(S)	0	2				-23
							16	0	2	5			-59
10(S)	0	2				-3	16(S)	0	2	5			-107
							16	0	5	9			-69
							16(S)	0	5	9			-108
12	0	2				-51	16	0	7				-41
12(S)	0	2				-64	16(S)	0	7				-35
12	0	2	5			-60	16	0	9				-30
12	0	2	9			-61	16(S)	0	9				-22
12(S)	0	2	9			-82	16	2	5	9			-71
12	0	9				-50	16(S)	2	5	9			-72
12	2	9				-52	16	2	9				-46
12	0	5	9			-102	16(S)	2	9				-109
12(S)	0	5	9			-103	16	6	9				-47
							16(S)	6	9				-110
							16	0	2	9			-94
14	0	2				-104	16(S)	0	2	9			-95
14(S)	0	2				-65	16	0	2	6	9		-98
14	0	2	5			-76	16(S)	0	2	6	9		-99
14(S)	0	2	5			-77							
14	0	2	5	9		-78							
14(S)	0	2	5	9		-105							
14	0	5	9			-80							
14(S)	0	5	9			-106							
14	0	9				-100							
14(S)	0	9				-55							
14	2	9				-101							
14(S)	2	9				-54							
14	0	2	9			-96							
14(S)	0	2	9			-97							
14	2	5	9			-135							
14(S)	2	5	9			-136							

SIZE A	CAGE CODE 52088	DRAWING NO 233A528	REV AB
SCALE		SHEET	8

