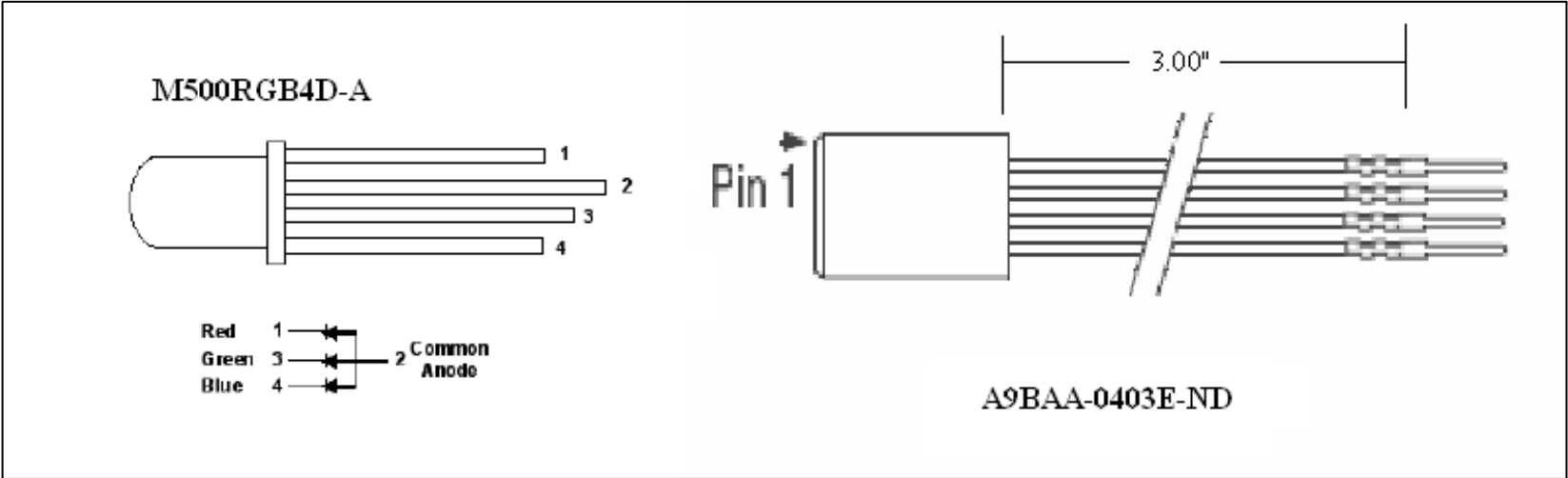


	Part Number	Description	Unit	Quantity	
1	17-100002-001	Case, Top & Bottom		1	Purchased assembly
2	21-100105-001	Nano board		1	Purchased assembly
3	21-100106-001	Modified Radio board - SR2		1	Purchased assembly
4	75-100112-001	Cable, Antenna, U.FL to SMA?		1	Purchased assembly
5	75-100113-001	Cable, Antenna, MMCX to SMA?		1	Purchased assembly
6	60-100105-001	LED cable		1	
7	24-100131-001	Cable, Battery/Gas Guage, 6 position		1	
8	24-100132-001	Cable, Power switch		1	
9	24-100138-001	Cable, Power IN		1	
10	24-100134-001	Cable, Pushbuttons		1	
11	24-100-135-001	Cable, 15 position		1	
12	24-100137-001	Cable, 18 position		1	

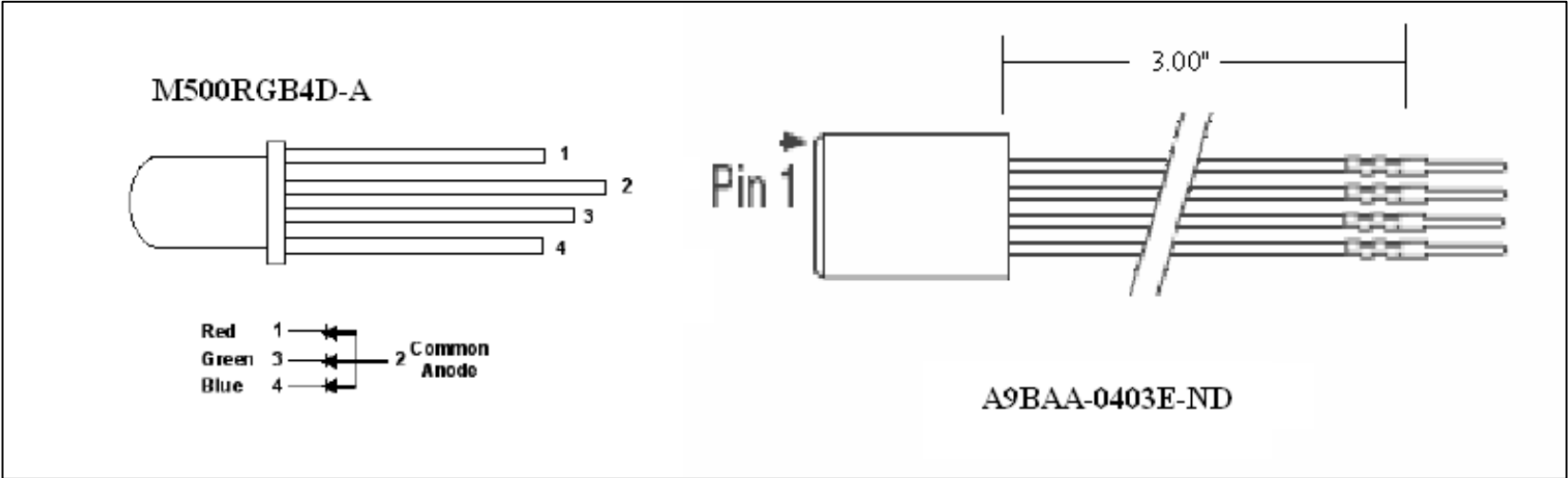
RAJ0027-9000-011 RAJANT NANO				Ordering Info...		
QTY	REFDES	PART_NUMBER	PACKAGE	DESCRIPTION	MANUFACTURER	MFG_PN
1	ARM1	ARMCORE-GX	ARMCORE-GX		AMP	2X AMP 1-353190-0
1	BT1	BR1632AFA	BR1632AFA	LI-ION BATTERY TAB CONFIG 3V/120MAH	PANASONIC	BR1632A/FA
2	C1,C2	22PF_0603	1608-0603		YAGEO AMERICA	0603CG220J9B200
31	C3,C4,C5,C6,C7,C8,C13,C14,C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C37,C38,C39,C40,C42,C43,C44,C45,C46,C47,C48,C49	100NF_0603	1608-0603		ROHM	MCH182CN104KK
2	C9,C11 Do not populate (C10,C12)	10NF/50V_CER_0603	1608-0603		KEMET	C0603C103K5RACTU
1	C26	22NF_0805	2012-0805		KEMET	C0805C223K5RACTU
2	C27,C28	100UF/10V_TANT_LOWESR	7343-D_POL		AVX	TPSD107K010R0100
1	C29	1NF/1KV_1812	4532-1812		YAGEO AMERICA	18122R102KEBB0D
1	C30	22UF/16V_CER_1206	3216-1206		PANASONIC - ECG	ECJ-3YB1C226M
2	C31,C32	1.5NF/50V_0603	1608-0603		PANASONIC - ECG	ECJ-1VB1H152K
2	C33,C34	270NF_0805	2012-0805		PANASONIC - ECG	ECJ-2YB1C274K
2	C35,C36	47UF/25V_TANT_SMD	7343-D_POL		KEMET	T491D476M025AS
1	C41	100NF/50V_CER_0603	1608-0603		ROHM	MCH185CN104KK
1	C50	1UF/16V_CER_0603	1608-0603		TDK	C1608X7R1C105K
0	CN1,CN2,CN3,CN11 Do not populate	850-90-002	850_90_002	2PINS 0.05INCH HEADER SINGLE ROW	MILLMAX	850-90-002-001000
1	CN4	A3A-32PA-2SV	A3A_32PA_2SV	2MM 32PIN 1A HEADER	HIROSE	A3A-32PA-2SV
2	CN5,CN8	A3A-20PA-2SV	A3A_20PA_2SV	2MM 20PIN 1A HEADER	HIROSE	A3A-20PA-2SV
2	CN6,CN12	DF3-4P-2H_20	DF3_4P_2H	2MM 4PIN 3A SMT HEADER	HIROSE	DF3-4P-2H(20)
1	CN7	1318228-1	1318228-1	MINIPCI SOCKET TYPE III	AMP	1318228-1
1	CN9	DF3-4P-2DSA_01	DF3-4P	2MM 4PIN 3A HEADER	HIROSE	DF3-4P-2DSA(01)
1	CN10	DF3-6P-2DSA_01	DF3-6P	2MM 6PIN 3A HEADER	HIROSE	DF3-6P-2DSA(01)
1	CN13 Do not populate	HDR6X1-0.1IN	HDR6X1-0_1IN	HDR6X1	DIGIKEY	WM6506-ND
2	D1,D15	B340B-13	SMB	DIODE SCHOTTKY 40V 3A SMB	DIODES INC	B340B-13
3	D2,D13,D14	SMBJ15A	SMB		DIODES INC	SMBJ15A-13
4	D5,D6,D7,D8	V0603MHS22	1608-0603		LITTLEFUSE	V0603MHS22
2	D9,D10	FMMD914TA	SOT-23	SOT23 SI PLANAR HS DIODE	ZETEX	FMMD914TA
2	D11,D12	MBRS330T3	SMC	SCHOTTKY POWER RECTIFIER 3A/30V	ON SEMI	MBRS330T3
1	F1	453002	453002	NANO FUSE 2A VERY FAST	LITTELFUSE	453002
2	F2,F3	453003	453002	NANO FUSE 3A VERY FAST	LITTLEFUSE	453003
1	FB1	HI1206N101R-00	3216-1206	FBEAD_100R/3A_1206	STEWARD	HI1206N101R-00
1	L1	CTGS57-4R7M	CTGS75	INDUCTOR 4.7UH,3.5A	CENTRAL TECH	CTGS75-4R7M
1	L2	CDRH125-100MC	CDRH125	PWR INDCT 10UH/4A SMD	SUMIDA	CDRH125-100MC
1	L3	CDRH5D18-100NC	CDRH5D18	POWER INDUCTOR 10UH 1.2A	SUMIDA	CDRH5D18-100NC
1	LED1	M500RGB4D_A	M500RGB4D_A	TRIPLE RGB LED THROUGH HOLE	IC-LED	M500RGB4D_A
4	MH1,MH2,MH3,MH4	18-8-CAP-SCREW	MOUNTING_HOLE_90/200	18-8 FLAT SOCKET HEAD CAP SCREW	TRACAN	MOUNTING HOLE
2	Q1,Q8	IRF7425	SOIC-8	P-FET 20V/15A 8.2MOHM	IR	IRF7425
3	Q2,Q3,Q4	MMBT2222A	SOT-23	NPN TRANSISTOR 40V/1A	FAIRCHILD	MMBT2222A
1	R1 (R2,R15,R16 do not populate)	0R_0603	1608-0603		YAGEO AMERICA	9C06031A0R00JLHFT

RAJ0027-9000-011 RAJANT NANO				Ordering Info...		
1	R3	619R_1%_0805	2012-0805		YAGEO AMERICA	9C08052A6190FKHFT
1	R4	549R_1%_0805	2012-0805		YAGEO AMERICA	9C08052A5490FKHFT
5	R5,R6,R7,R13,R31	1K_0603	1608-0603		YAGEO AMERICA	9C06031A1001JLHFT
2	R8,R19	220R_0603	1608-0603		YAGEO AMERICA	9C06031A2200JLHFT
2	R9,R10	100R_1%_0603	1608-0603		YAGEO AMERICA	9C06031A1000FKHFT
2	R11,R12	4K7_0603	1608-0603		YAGEO AMERICA	9C06031A4701JLHFT
2	R14,R38	1M_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-071ML
2	R17,R18	120R_1%_0603	1608-0603		YAGEO AMERICA	9C06031A1200FKHFT
2	R20,R21	100K_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-07100KL
1	R22	1K82_1%_0805	2012-0805		YAGEO AMERICA	9C08052A1821FKHFT
3	R23,R24,R25	8K2_0603	1608-0603		YAGEO AMERICA	9C06031A8201JLHFT
1	R26	16K2_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-0716R2L
1	R27	5K36_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-075K36L
2	R28,R29	4K99_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-074K99L
2	R30,R35	68R_0603	1608-0603		YAGEO AMERICA	RC0603JR-0768RL
4	R32,R33,R39,R46	10K_0603	1608-0603		YAGEO AMERICA	9C06031A1002JLHFT
1	R34	0.05R_1%_1206	3216-1206		VISHAY-DALE	WSL1206R0500FEA
1	R36	84R5_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-0784R5L
1	R37	24K9_1%_0603	1608-0603		YAGEO AMERICA	RC0603FR-0724K9L
2	R42,R43	33R_0603	1608-0603		YAGEO AMERICA	RC0603JR-0733RL
6	RN1,RN2,RN3,RN5,RN9,RN10	8K2_RN0603X4	EXBV8V		PANASONIC - ECG	EXB-V8V822JV
1	RN6	2K2_RN0603X4	EXBV8V		YAGEO AMERICA	EXB-V8V222JV
1	RN7	10K_RN0603X4	EXBV8V		PANASONIC EGG	EXB-V8V103JV
2	TR1,TR2	HX1188	H1102	ETHERNET ISOLATION XFORMER IND. TYPE	PULSE ENGINEERING	HX1188
1	U1	AT93C46A	SOIC-8	AT93C46A	ATMEL	AT93C46A
1	U2	82559ER	BGA_196_BREAKOUT	INTEGRATED 10BASE-T/100BASE-TX	INTEL	82559ER
7	U3,U4,U16,U17,U18,U19,U26	SP0504BAHT	SOT23-5		LITTELFUSE	SP0504BAHT
2	U5,U6	FM24CL64-S	SOIC-8	64KBIT FRAM SERIAL MEMORY I2C 3V	RAMTRON	FM24CL64-S
1	U7	MIC2026-1BM	SOIC-8	MIC2026-1BM	MICREL	MIC2026-1BM
1	U8	ZSM330GTA	SOT223		ZETEX	ZSM330GTA
1	U9	SN74LVC1G07DBVR	SOT23-5	SINGLE BUFFER W OC OUTPUT	TEXAS INSTRUMENTS	SN74LVC1G07DBVR
2	U10,U11	LT1374IFE	TSSOP16-PPAD		LINEAR TECHNOLOGY	LT1374IFE
1	U12	BQ24105RHLLR	QFN20		TEXAS INSTRUMENTS	BQ24105RHLLR
1	U13	LM81BIMT-3	TSSOP24	HW MONITOR SMB 1.1	NATIONAL SEMI	LM81BIMT-3
2	U14,U22	LTC4412ES6	SOT23-6		LINEAR TECHNOLOGY	LTC4412ES6
1	U15	XC95144XL-5TQ100C	TQFP100	XILINX XC95144XL-5TQ100C CPLD	XILINX	XC95144XL-5TQ100C
1	U20	CY2305SI-1H	SOIC-8	ZERO DELAY BUFFER5X	CYPRESS	CY2305SI-1H
1	U21	ISL41334IRZ	QFN40		INTERSIL	ISL41334IRZ
1	U23	ZSM560GTA	SOT223		ZETEX	ZSM560GTA
1	U24	TC7W04FK	SSOP8_20TH	TRIPLE HIGH SPEED INVERTER	TOSHIBA	TC7W04FK
1	U25	SN74LVC1G17DBVR	SOT23-5	SINGLE SCHMITT TRIGGER BUFFER	TEXAS INSTRUMENTS	SN74LVC1G17DBVR
1	Y1	CS10-25.000MABJTR	CS10		CITIZEN	CS10-25.000MABJTR
Do Not Populate:		C10, C12, R2, R15, R16, CN1, CN2, CN3, CN11				

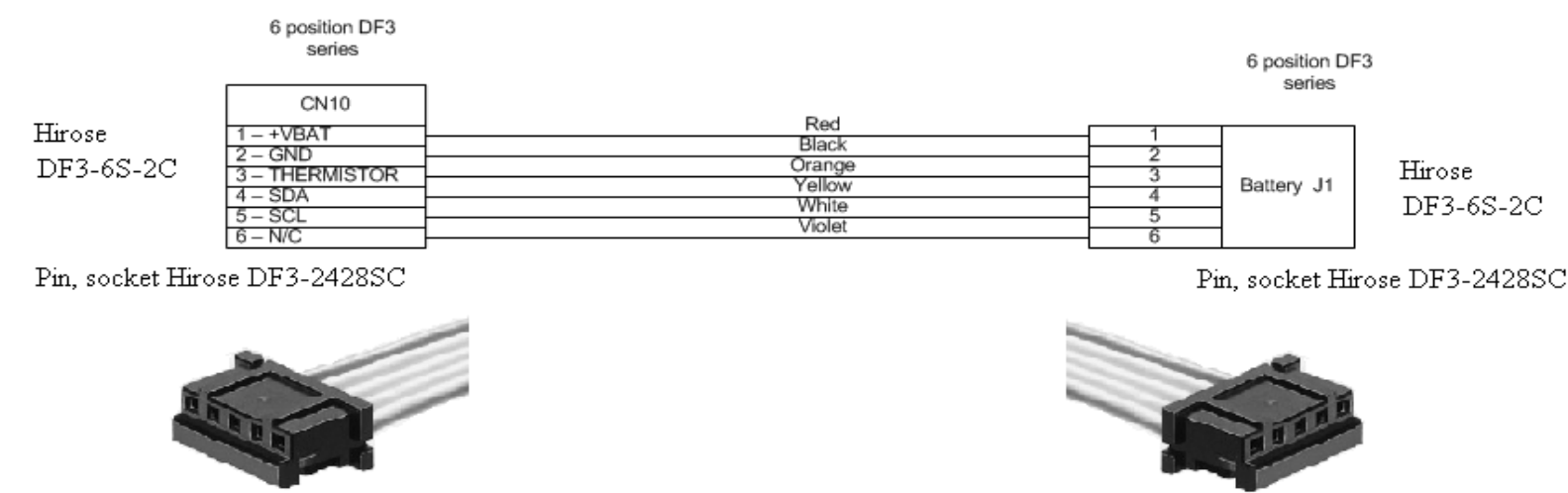
Item #	Qty		Description	MFG	MFG. P/N
1	1	LED	LED, Tricolor, M500RGB4D-A		Removed from Nano Board
2	1	Cable	Cable, Flex	Digikey	A9BAA-0403E-ND



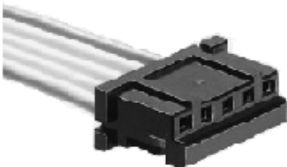
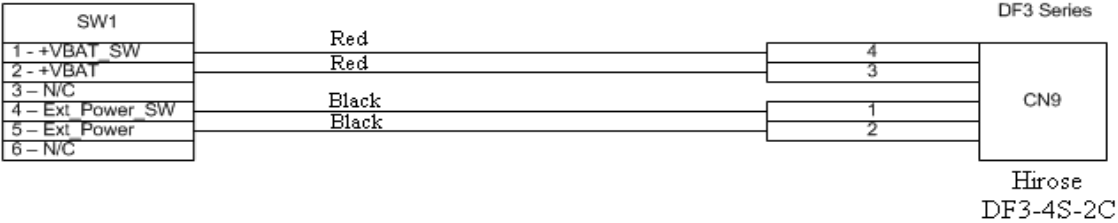
Item #	Qty		Description	MFG	MFG. P/N
1	1	LED	LED, Tricolor, M500RGB4D-A		Removed from Nano Board
2	1	Cable	Cable, Flex	Digikey	A9BAA-0403E-ND



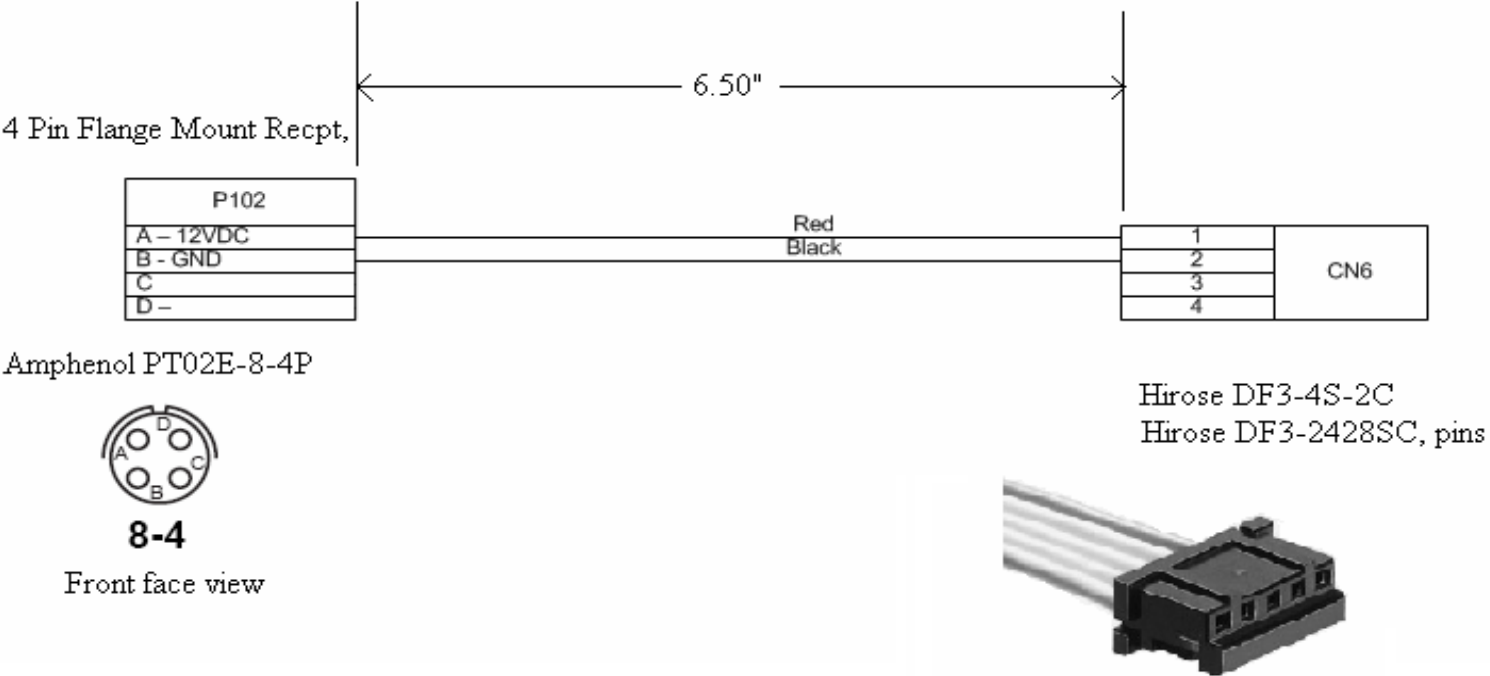
Item #	Qty	EDG P/N	Description
1	2	0510216D	Connector, Housing, Hirose DF3-6S-2C 6 Pos.
2	12	0510216A	Pin, socket Hirose DF3-2428SC
3	7"	CA100-HUP-24RED	24 Awg Red Discreet Wire
4	7"	CA100-HUP-24BLA	24 Awg Black Discreet Wire
5	7"	CA100-HUP-24OR	24 Awg Orange Discreet Wire
6	7"	CA100-HUP-24YE	24 Awg Yellow Discreet Wire
7	7"	CA100-HUP-24WH	24 Awg White Discreet Wire
8	7"	CA100-HUP-24PUR	24 Awg Purple Discreet



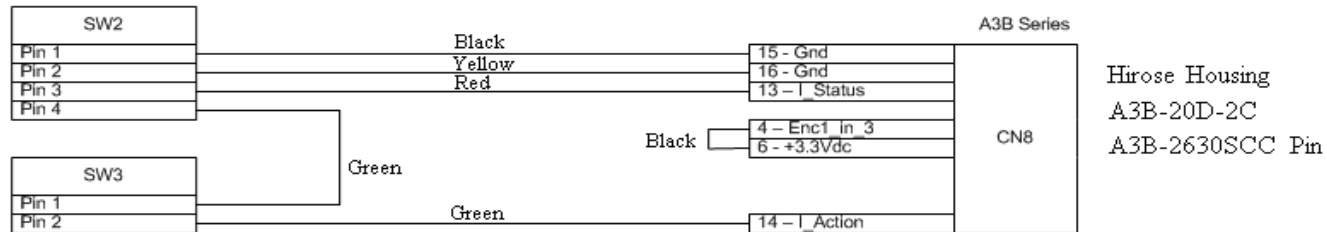
Item #	Qty	EDG P/N	Description
1	1	RAJ-ME/NE Switch	Locking On/Off Switch for ME and NE
2	1	0510216D	DF3-4S-2C 4 Pos. Connector Housing
3	4	0510216A	Pin, socket Hirose DF3-2428SC
4	12"	CA100-HUP-24RED	24 Awg Red Discreet Wire
5	12"	CA100-HUP-24BLA	24 Awg Black Discreet Wire



Item #	Qty	EDG P/N	Description
1	1	0501016	4 Pin Flange Mount Recpt, Amphenol PT02E-8-4P
2	1	0510216D	Connector Housing, Hirose DF3-4S-2C 4 Pos.
3	2	0510216A	Pin, socket Hirose DF3-2428SC
4	6.5"	CA100-HUP-24RED	24 Awg Red Discreet Wire
5	6.5"	CA100-HUP-24BLA	24 Awg Black Discreet Wire

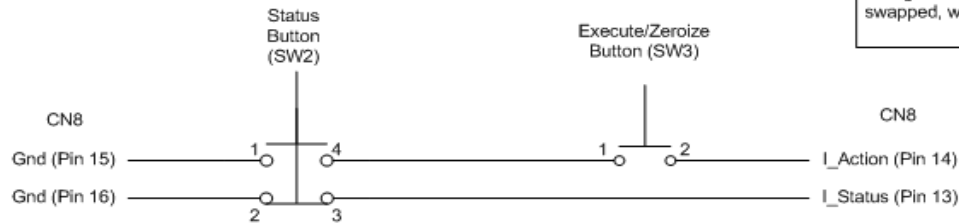


Item #	Ref. Des.	Qty	EDG P/N	Description	Mfg.	MFG P/N
1	SW2	1	NE-DPST-Switch	DPST Momentary Switch Black	Tyco	8-1437567-9
2	SW2	1	NE-DPST-Switch-Boot	Boot Seal, Black Mom. Switch	Tyco	2-1437626-0
3	SW3	1	NE-SPST-Switch	SPST Momentary Switch Red	Tyco	9-1437567-3
4	SW3	1	NE-SPST-Switch-Boot	Boot Seal, Red Mom. Switch	Tyco	2-1437626-1
5	CN8	1	0510244-20	Connector Housing, 20 Pos. ,Hirose A3B-20D-2C	Hirose	A3B-20D-2C
6	CN8	6	0510244-P	Pin, Socket for Hirose connector, A3B-2630SCC	Hirose	A3B-2630SCC
7		4"	CA100-HUP-24BLA	24 Awg Black Discreet Wire		
8		4"	CA100-HUP-24YE	24 Awg Yellow Discreet Wire		
9		4"	CA100-HUP-24RED	24 Awg Red Discreet Wire		
10		8"	CA100-HUP-24GRE	24 Awg Green Discreet Wire		

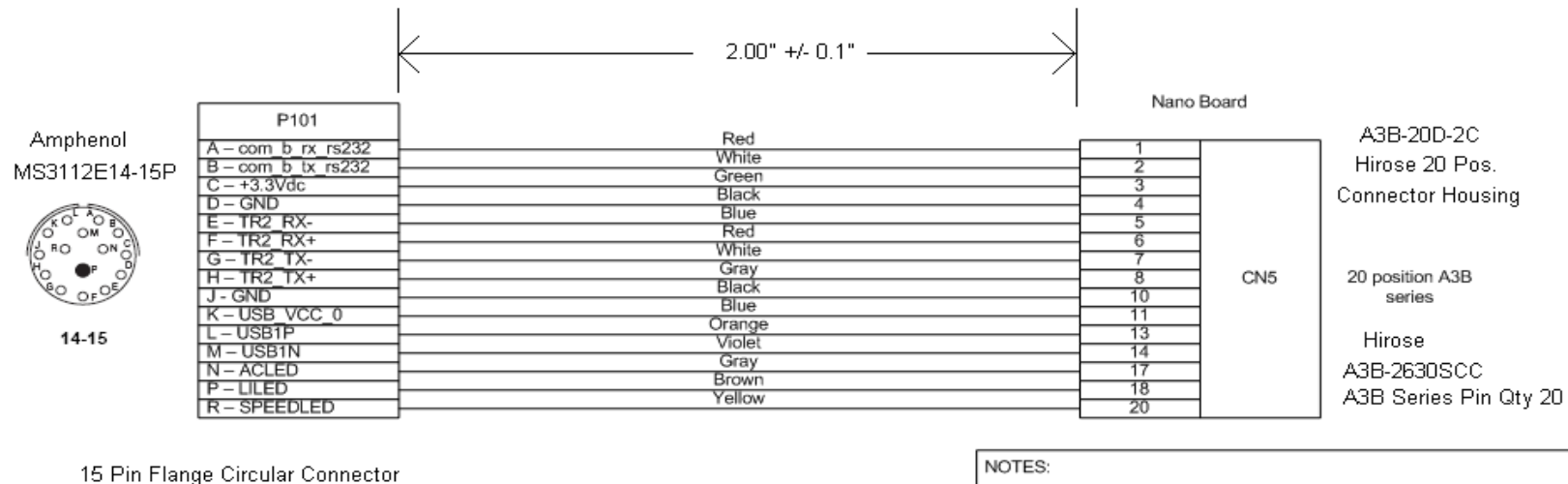


NOTES:

All signals listed are in relation to silkscreen on board. A3B housing pins are swapped, where Pin 1 row side is swapped with pin 2.



Item #	Qty	Ref	Part Number	Description	MFG.	MFG Part Number
1	1	P101	501024	Connector, 15 position, Flange connector	Amphenol	MS3112E14-15P
2	1	CN5	0510244-20	Connector, 20 position,	Hirose	A3B-20D-2C
3	15	CN5	0510244-P	Pin, Socket	Hirose	A3B-2630SCC
			CA100-HUP-24RED	24 Awg Red Discreet Wire		
			CA100-HUP-24WH	24 Awg White Discreet Wire		
			CA100-HUP-24GRE	24 Awg Green Discreet Wire		
			CA100-HUP-24BLA	24 Awg Black Discreet Wire		
			CA100-HUP-24BL	24 Awg Blue Discreet Wire		
			CA100-HUP-24GR	24 Awg Grey Discreet Wire		
			CA100-HUP-24OR	24 Awg Orange Discreet Wire		
			CA100-HUP-24PUR	24 Awg Purple Discreet		
			CA100-HUP-24BR	24 Awg Brown Discreet Wire		
			CA100-HUP-24YE	24 Awg Yellow Discreet Wire		



NOTES:

All signals listed are in relation to silkscreen on board. A3B housing pins are swapped, where Pin 1 row side is swapped with pin 2.

Item #	Qty	Ref	Part Number	Description	MFG.	MFG Part Number
	1	P103	0501023	Connector, 18 Pin Flange Circular Connector	Amphenol	MS3112E14-18P
	1	CN4		Connector, 16 Pos. Connector Housing	Hirose	A3B-16D-2C
	1	CN14	0510244-20	Connector, 20 position,	Hirose	A3B-20D-2C
	15		0510244-P	Pin, for CN4 and CN14	Hirose	A3B-2630SCC
	2	2.5"	CA100-HUP-24RED	24 Awg Red Discreet Wire		
	1	2.5"	CA100-HUP-24WH	24 Awg White Discreet Wire		
	2	2.5"	CA100-HUP-24GRE	24 Awg Green Discreet Wire		
	2	2.5"	CA100-HUP-24BLA	24 Awg Black Discreet Wire		
	1	2.5"	CA100-HUP-24BL	24 Awg Blue Discreet Wire		
	1	2.5"	CA100-HUP-24GR	24 Awg Grey Discreet Wire		
	1	2.5"	CA100-HUP-24OR	24 Awg Orange Discreet Wire		
	1	2.5"	CA100-HUP-24PUR	24 Awg Purple Discreet		
	2	2.5"	CA100-HUP-24BR	24 Awg Brown Discreet Wire		
	2	2.5"	CA100-HUP-24YE	24 Awg Yellow Discreet Wire		

Amphenol
MS3112E14-18P

P103
A - GND
B - Com A-TX RS232
C - Com A-RX RS232
D - ETH1 ACT
E - N/C
F - ETH1 Link10
G - N/C
H - GND
J - ETH1 Lin100
K - TR1 TX+
L - TR1 RX-
M - TR1 TX-
N - N/C
P - TR1 RX+
R - Ext Pwr sw
S - PG
T - Stat1
U - Stat2

2.50"

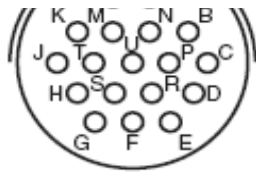
Black
Green
Red
Yellow
Brown
Black
Gray
Red
Brown
White
Blue
Orange
Green
Yellow
Violet

10	CN4
11	
12	
1	
2	CN14
3	
4	
5	
6	
7	
9	
10	
n/c	
12	
17	
18	
19	
20	

Hirose
A3B-16D-2C

Hirose
A3B-20D-2C





14-18



NOTES:

All signals listed are in relation to silkscreen on board. A3B housing pins are swapped, where Pin 1 row side is swapped with pin 2.

Seq	Part Number	Description	Unit	Quantity
1	0100920A	SMA Male Cap With Chain	Each	2.000
2	0501010B	10-101960-083 Amphenol Shell #8 Cap	Each	1.000
3	0501010E	10-101949-008 Amphenol Shell #8 Gasket	Each	1.000
4	0501023B	10-101949-014 Shell #14 Gasket	Each	2.000
5	0501023C	MS3181-14C Shell #14 Cap	Each	2.000
6	0900012	3/8 in Black Heat Shrink	Ft.	0.080
7	0900013	3/16" Heat Shrink - Black	Ft.	0.500
8	0900014	3/32 in Black Heat Shrink	Ft.	1.500
9	0900023	1/8" Black Heat Shrink	Ft.	0.500
10	0900024	1/4" Black Heat Shrink	Ft.	0.170
11	0920001	1/8" Expandable Braided Polyester Sleeving	Ft.	2.250
12	HA-2-56X1/2-SHCS	SS 2-56X1/2 Socket Head Cap Screw	Each	4.000
13	HA-2-Lock Washer	SS #2 Split Lock Washer	Each	4.000
14	HA-4-40-Lock Nut	SS 4-40 Locknut	Each	5.000
15	HA-4-40X1/2-SHCS	SS 4-40X1/2 Socket Head Cap Screw	Each	2.000
16	HA-4-40X1/2-TORXP	SS 4-40X1/2 Tamper Resistant Torx BHCS	Each	1.000
17	HA-4-40X1/4-SHCS	SS 4-40X1/4 Socket Head Cap Screw	Each	6.000
18	HA-4-40X1/4-TORXP	SS 4-40X1/4 Tamper Resistant Torx BHCS	Each	2.000
19	HA-4-40X5/16-SHCS	SS 4-40X5/16 Socket Head Cap Screw	Each	2.000
20	HA-4-40X7/8-SHCS	SS 4-40X7/8 Socket Head Cap Screw	Each	4.000
21	HA-4-Flat Washer	SS #4 Flat Washer	Each	15.000
22	HA-4-Lock Washer	SS #4 Split Lock Washer	Each	15.000
23	HA-6-32X3/8-FHCS	SS 6-32X3/8 Flat Head Cap Screw	Each	2.000
24	HA-8-32X3/4-TORXP	SS 8-32X3/4 Tamper Resistant Torx BHCS	Each	2.000
25	HA-8-32X5/8-BHCS	SS 8-32X5/8 Button Head Cap Screw	Each	2.000
26	HA-8-Lock Washer	SS #8 Split Lock Washer	Each	4.000
27	NE-PC-1	A/C Power Cord for NE Adapter	Each	1.000
28	RAJ-0016	LED Lens Housing for SE	Each	1.000
29	RAJ-0016A	Retaining Ring For Lens Housing	Each	1.000
30	RAJ-0035A	.060" Thermal Gap Pad 8"X16" Sheet	Each	0.016
31	RAJ-NE- Battery	Internal Battery For NE	Each	1.000
32	RAJ-NE-PS	AC/DC Power Supply for NE	Each	1.000
33	RAJ-O-Ring Seal	O-Ring Seal For Wearable	Ft.	2.000