

DDS-0.fwww.rudius.net/oz2m/ngnb

Designator	Part Type	Footprint	Description	Manufacturer	Part Nr	USE	Mouser	Farnell
C1	100p	0805	Capacitor	Murata	GRM2165C1H101JA01D	THIS		1828933
C2	100p	0805	Capacitor	Murata	GRM2165C1H101JA01D	THIS		1828933
C3	NM	0805	Capacitor					
C4	NM	0805	Capacitor					
C5	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C6	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C7	150p	0603	Capacitor	Murata	GRM1885C1H151JA01D	THIS		8819874
C8	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C9	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C10	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C11	15p	0603	Capacitor	Murata	GRM1885C1H150JA01D	THIS		8819823
C12	15p	0603	Capacitor	Murata	GRM1885C1H150JA01D	THIS		8819823
C13	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C14	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C15	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C16	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C17	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C18	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C19	1uf	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C20	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C21	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C22	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C23	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C24	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C27	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C28	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C29	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C30	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C31	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C32	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C33	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C34	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C35	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928

C37	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C38	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C39	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C40	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C41	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C42	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C43	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C44	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C45	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C46	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C47	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C48	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C49	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C50	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C51	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C52	1uf	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C53	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C54	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C55	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C56	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C57	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C58	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C59	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C60	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C61	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C63	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C64	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C65	10n	0805	Capacitor	Murata	GRM216R71H103JA01D	THIS		8820090
C66	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C67	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C68	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C69	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C70	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C71	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C72	470uF	LYTSMD8	Electrolytic Capacitor	EPCOS	B41142A4477M	ANY		1735333
C73	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825

C74	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C75	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C76	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C77	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C78	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C79	100n	0805	Capacitor	Murata	GRM21BR71E104KA01L	THIS		1828928
C80	10uF	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C81	1uF	0805	Capacitor	Murata	GRM216R61C105KA88D	THIS		1845744
C82	10uf	1206	Capacitor	AVX	12063D106KAT2A	ANY		1833825
C83	470uF	LYTSMD8	Electrolytic Capacitor	EPCOS	B41142A4477M	ANY		1735333
D1	LED	0805	LED	Multicomp	OVS-0804	ANY		1716766
F1	LFCN-490	PL-137	Filter	Minicircuit	LFCN-490	THIS		
FB1	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB2	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB3	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB4	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB5	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB6	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB7	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB8	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB9	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
FB10	BLM21BB221SH1D	0805	Ferrite Bead	Murata	BLM21BB221SH1D	ANY		1515629
IC1	AD9912	AD9912	DDS	Analog Devices	AD9912ABPZ	THIS		2068034
IC2	Gali74	SOD89	MMIC	Minicircuit	Gali-74+	THIS		
IC3	ATMEGA128A	TQFP64	MCU	Atmel	ATMEGA128A-AU	THIS		1773397
IC5	FT232RL	SSOP28	USB Converter	FTDI	FT232RL	THIS		1146032
IC7	LP2992AILD-1.8V	6-WSON	Voltage regulator	National Semi	LP2992AILD-1.8V	THIS	926-2992AILD1.8/NOPB	
IC8	LP2992AILD1.8V	6-WSON	Voltage regulator	National Semi	LP2992AILD-1.8V	THIS	926-2992AILD1.8/NOPB	
IC9	LP2992AILD-1.8V	6-WSON	Voltage regulator	National Semi	LP2992AILD-1.8V	THIS	926-2992AILD1.8/NOPB	
IC10	LP2992AILD-1.8V	6-WSON	Voltage regulator	National Semi	LP2992AILD-1.8V	THIS	926-2992AILD1.8/NOPB	
IC11	LP2992AILD-3.3V	6-WSON	Voltage regulator	National Semi	LP2992AILD-3.3	THIS	926-LP2992AILD33NOPB	
IC12	LP2992AILD-3.3V	6-WSON	Voltage regulator	National Semi	LP2992AILD-3.3	THIS	926-LP2992AILD33NOPB	
IC13	LP2992AILD-3.3V	6-WSON	Voltage regulator	National Semi	LP2992AILD-3.3	THIS	926-LP2992AILD33NOPB	
IC14	LM2940S-5	D-PAK	Voltage regulator	National Semi	LM2940S-5	THIS		9494448
J1	BNC-2	BNC	BNC	Greenpar	1-1337543-0	ANY		1020955
J2	SMA	SMA	SMA	Multicomp	19-49-5-TGG	ANY		1169632

J3	SMA	SMA	SMA	Multicomp	19-49-5-TGG	ANY		1169632
J4	SMA	SMA	SMA	Multicomp	19-49-5-TGG	ANY		1169632
J5	ICSP	DUAL6	Connector	TE	826469-3	ANY		9688927
J6	USB	USB-6	Connector	TE	AMP - 292304-2 - USB TYP	ANY		1557590
J7	GP1FAV31RK0F	FO	Fiber Optic RX	Sharp	GP1FAV31RK0F	THIS		1243861
J8	GP1FAV31RK0F	FO	Fiber Optic RX	Sharp	GP1FAV31RK0F	THIS		1243861
J9	GP1FAV31RK0F	FO	Fiber Optic RX	Sharp	GP1FAV31RK0F	THIS		1243861
J10	GP1FAV31TK0F	FO	Fiber Optic TX	Sharp	GP1FAV31TK0F	THIS		1243862
J12	NM	DIL						
L1	1uH	1008CS	Coil	Coil Craft	1008CS-102XGLB	THIS		
R1	24.9	0805	Resistor	Multicomp	MCTC0525B255JT5E	THIS		1575451
R2	24.9	0805	Resistor	Multicomp	MCTC0525B255JT5E	THIS		1575451
R3	510R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 560R	ANY		9333312
R4	NM	0805						
R5	1K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 1K	ANY		9332383
R6	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R7	51R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 51R	ANY		9333355
R8	51R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 51R	ANY		9333355
R9	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R10	0R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 0R	ANY		9333681
R11	2R2	0805	Resistor	Multicomp	MC 0.1W 0805 1% 2R2	ANY		9332855
R12	10k	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R13	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R14	1K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 1K	ANY		9332383
R15	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R16	10k	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R17	NM	0805						
R18	NM	0805						
R19	NM	0805						
R20	NM	0805						
R21	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R22	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R23	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R24	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R25	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R27	NM	0805						

R28	NM	0805						
R29	NM	0805						
R30	NM	0805						
R31	NM	0805						
R33	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R34	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R35	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R36	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R37	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R38	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R39	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R40	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R41	10K	0805	Resistor	Multicomp	MC 0.1W 0805 1% 10K	ANY		9332391
R42	560R	1206	Resistor	Vishay	CRCW1206560RFKEAHP	ANY		1739009
R43	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R44	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R45	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
R46	100R	0805	Resistor	Multicomp	MC 0.1W 0805 1% 100R	ANY		9332375
SW1	DIP16		DIP Switch	Grayhill	78B08ST			9479082
TR1	TC1-1-13MG2+	AT224-1	Transformer	Minicircuit	TC1-1-13MG2+	THIS		
TR2	TC1-1T+	AT224	Transformer	Minicircuit	TC1-1T+	THIS		
TR3	TC1-1T+	AT224	Transformer	Minicircuit	TC1-1T+	THIS		
X1	8MHz	XTALSMX	Crystal	Vishay	XT49M-8M	ANY		1611765
Box								
PCB	Print			OZ7IGY		THIS		