

Single Level Manufacturing BOM:

10D1067-XM MCDT XCVR MODULE - MB

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
20	1.00	EACH	10D1037-C	MCDT COMMON PARTS		52.3874	52.3874
30	1.00	EACH	10D1037-CR	MCDT RECEIVER ONLY PARTS ALL BANDS		27.2757	27.2757
35	1.00	EACH	10D1037-CT	MCDT TRANSMITTER ONLY PARTS ALL BANDS		119.2954	119.2954
40	1.00	EACH	10D1037-RM	MCDT MB RECEIVER ONLY PARTS		0.7055	0.7055
60	1.00	EACH	10D1037-TM	MCDT MB TRANSMITTER ONLY PARTS		0.8713	0.8713
80	1.00	EACH	10D1972	MCDT Piggy Back Power Supply		90.1820	90.1820
103	0.00	SCHM	19C0991	MC DATA TRANSCEIVER MODEM LR SCH		0.0000	0.0000
108	0.00	ADW	22C0991	MC DATA TRANSCEIVER MODEM LR ASSEMBLY REV H1		0.0000	0.0000
112	0.00	DOC	24C0066	MESSAGE DETECTOR FIRMWARE		0.0000	0.0000
118	0.00	DOC	24C0987	MCDT MultiChannel DATA TRANSCEIVER FW		0.0000	0.0000
120	0.00	DOC	27P0264	SMT Program MCDT-XM BOT		0.0000	0.0000
130	0.00	DOC	27P0267	SMT Program MCDT-XM TOP		0.0000	0.0000
133	0.00	ADW	28A0255	LABEL MCDT Module		0.0000	0.0000
134	0.00	ROLL	28A0262	BRADY BMP71 LABELS 1.0" X 0.5", ROLL OF 500 M71-17-423	1 LABEL EACH	0.0000	0.0000
135	0.00	DOC	29Z0898	MCDT TRANSCEIVER TEST PROCEDURE		0.0000	0.0000

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10D1067-XM MCDT XCVR MODULE - MB

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Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
136	0.00	DOC	29Z0902	MCDT Programming Procedure REV. A		0.0000	0.0000
138	0.00	DOC	30A0510	MCDT SHIELD ASSEMBLY REV. O/I		0.0000	0.0000
140	0.00	DOC	30A1086	MCDT Assembly Document		0.0000	0.0000
145	0.00	DOC	30L0004	LABELING PROC for sticker printer		0.0000	0.0000
150	0.00	DOC	30F0054	MCDT Flowchart		0.0000	0.0000
160	0.00	DOC	30G0001	GENERAL CONFORMAL COAT PROCEDURE REV. B		0.0000	0.0000
170	0.00	DOC	30P0172-29	MCDT CONFORMAL COAT PREPARATION REV. A		0.0000	0.0000
180	1.00	EACH	55S0026	Coil, rf, 47nh, 2%, HiQ, 1206 Coilcraft 1206CS-470XGLB	L209	0.0000	0.0000
Number of Components:			23	Total of all Buy Items			0.0000

Single Level Manufacturing BOM:

10d1037-c MCDT COMMON PARTS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
20	1.00	EACH	20C0991-H	PCB MC DATA TRANSCEIVER LR REV H - 12/PNL		4.7800	4.7800
52	1.00	EACH	11C0510-A	MCDT RF SHIELD TOP COVER RCVR REV A		3.9400	3.9400
54	1.00	EACH	11C0510-1-B	MCDT RF SHIELD TOP FENCE, REV B		3.9400	3.9400
58	1.00	EACH	11C0511-A	MCDT RF SHIELD BOTTOM COVER, REV A		2.4400	2.4400
62	1.00	EACH	11C0511-1-A	MCDT RF SHIELD BOTTOM FENCE, REV A		2.4400	2.4400
110	1.00	EACH	41S8015-06	RES 10 OHM 1/10 W 5% SMD, 0603 CRCW060310R0JNEA	R217	0.0026	0.0026
120	1.00	EACH	41S8071-6	RES, 2.26K, 0603, 1% 660-RK73H1JTTD2261F	R320	0.0024	0.0024
130	1.00	EACH	41S8079-4	RES 4.75 K 1/10W 1% 0603 CRCW06034K75FKEA	R201	0.0015	0.0015
150	1.00	EACH	41S8135-4	RES 1.0 MEG 1% 1/10W SMD 0603 CRCW06031M00FKEA	R100	0.0035	0.0035
160	8.00	EACH	41S8160	RES 10 K 1% 0603 CRCW06031002FRT1	R102, 103, 206, 220, 221, 222, 226, 321	0.0035	0.0280
170	4.00	EACH	41S8181	RES 100 K 1 % 1/10W 0603 CRCW0603100KFKEA	R104,106,205,2 25	0.0100	0.0400
180	1.00	EACH	41S8407-4	RES 0.0 OHM 1/10W 5% 0603 SMD 311-0.0GCT-ND	R204	0.0045	0.0045
190	1.00	EACH	41S8438	RES 470 ohm 1% 0402 Vishay CRCW04024700FT or equiv	R107	0.0050	0.0050
195	0.00	EACH	41S DO NOT INSTALL	PART LOCATION REMAINS EMPTY	R224, 234	0.0000	0.0000
200	1.00	EACH	41X6002	THERMISTOR 10 K OHM 0603 NCP18XH103F03RB	R111	0.0710	0.0710

Single Level Manufacturing BOM:

10D1037-C MCDT COMMON PARTS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
230	1.00	EACH	42S0069	CAP 10PF NPO 5 % 0603 50V GRM1885C1H100RA01D	C233	0.0060	0.0060
240	1.00	EACH	42S0074	CAP 18 PF NPO 5% 0603 100V GRM1885C1H180JA01D	C232	0.0046	0.0046
260	1.00	EACH	42S0085	CAP 39 PF NPO 5% 0603 50V GRM1885C1H390JA01D	C220	0.0040	0.0040
280	15.00	EACH	42S0151-4	CAP 0.1 UF 50 V 10% X7R SMD 0603 GRM188R71H104KA93D	C102, 103, 104, 106, 110, 112, 217, 222, 223, 229, 230, 231, 234,236, 243 C109, 320	0.0056	0.0840
290	2.00	EACH	42S0346	CAP .01 UF 50 V CER MONO 5% 0603 7" TAPE C0603C103J5RACTU		0.0100	0.0200
300	5.00	EACH	42S0356	CAP 0.001 UF 1nF 25V CERAMIC C0G 5% 0603 C0603C102J3GACTU	C221, 324, 325, 113, 114	0.0131	0.0655
310	2.00	EACH	42S0367-4	CAP, 10UF, 10%, X5R, 1206, 25V C1206C106K3PACTU	C108, 111	0.0800	0.1600
320	2.00	EACH	42S1106-06	CAP 10 UF X5R 20% SMD 0603 6.3V GRM188R60J106ME47D	C107, 242	0.0630	0.1260
330	1.00	EACH	42S2123	CAP, 1 uF, 10%, X5R, 0603, 25V 06033D105KAT2A	C219	0.0231	0.0231
355	1.00	EACH	42S2137	cap, 3.3pf, npo, +-.1pf, 0603 Murata GRM1885C1H3R3BZ01D	C256	0.0112	0.0112
357	0.00	EACH	42S DO NOT INSTALL	PART LOCATION REMAINS EMPTY	C105	0.0000	0.0000
360	1.00	EACH	43S0462	IC TRANSCEIVER 27-930 MHZ FSK/FM/ASK TH7122ENE	U202	4.1700	4.1700
370	2.00	EACH	43S0466	IC VARACTOR DIODE 3.5 TO 38 PF SMV1249-079LF	CR203, 204	0.3200	0.6400
380	1.00	EACH	43S0469	IC RS-485 DRIVER SMD uMax 8 MAX3471EUA+	U106	2.3100	2.3100

Single Level Manufacturing BOM:

10D1037-C MCDT COMMON PARTS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
390	1.00	EACH	43S0470-1	IC 9S08 MCU, 8-Bit 32KB Flash 40 MHz, 48QFN MC9S08GT32ACFDE	U100	2.9700	2.9700
400	2.00	EACH	43S0471	IC 3.3V PWR SUPPLY LDO 50MA, SC70 TPS71533DCKR	U103, 105	0.4420	0.8840
410	1.00	EACH	43S0472	IC QUAD DIGITAL POT, TSSOP-20 AD5254BRU100	U201	2.9900	2.9900
420	1.00	EACH	43S0473	IC FET DUAL COMPL CMOS Micro8 IRF7509TRPBF	U102, 107	0.1850	0.1850
430	1.00	EACH	43S0478	IC, SPDT T/R switch, 10W, 6pin QFN RF1201	U304	0.8400	0.8400
435	1.00	EACH	43S0497	IC Inverter, Single Gate 74LVC1G04GW,125	U306	0.0300	0.0300
460	1.00	EACH	44S0252	FET, micro-6, P-Chan, Vgs=20V, Vds=30V, -5.5A Infineon BSL307SP	U104	0.2060	0.2060
490	1.00	EACH	55S0008	COIL FIXED SMD 56 NH 5% 0603 MLG1608B56NJ	L100	0.0390	0.0390
500	2.00	EACH	55S0016	COIL, 1.0 uH, 340MHz SRF, 0805, .69Ohm max, .5A 0805LS102XJL	L210, 211	0.3200	0.6400
512	1.00	EACH	61Z0558	CONN RF MMCX RA JACK PCB 50 OHMS TH 73415-1001	J1	3.4100	3.4100
525	1.00	EACH	61S0004	CONN HEADER 10 PIN, Shroud, Keyed, 0.44" TFM-105-32-L-D-P	J2	1.4100	1.4100
530	1.00	EACH	61Z0683	CONN 0.050 in MICRO header 10 pin STR MALE FTSH-105-01-L-DV-K	J3	1.4500	1.4500
540	1.00	EACH	64Z0120	XTAL 5.00 MHZ 5PPM 12PF HC-49/U TH LO REF 5.00MHZ HC49	y201	15.7100	15.7100
Number of Components:			42	Total of all Buy Items		56.0869	

Single Level Manufacturing BOM:

10D1037-CR MCDT RECEIVER ONLY PARTS ALL BANDS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
10	1.00	EACH	41S7999-1	RES 0 OHM 1206 CRCW12060000Z0EA	L202	0.0035	0.0035
15	1.00	EACH	41S8039-4	RES 100 OHM 1/10 W 1% 0603 RC0603FR-07100RL	R218	0.0024	0.0024
20	2.00	EACH	41S8071-6	RES, 2.26K, 0603, 1% 660-RK73H1JT2D2261F	R203, 219	0.0024	0.0048
30	1.00	EACH	41S8095-4	RES 22 K SMD 1/10 W 1% 0603 CRCW060322K0FKEA	R228	0.0015	0.0015
40	1.00	EACH	41S8097-4	RES 27 K 1/10 W 1% 0603 CRCW060327K0FKEA	R229	0.0030	0.0030
50	1.00	EACH	41S8099-4	RES 33.2K SMD 1/10 W 0603 1% CRCW060333K2FKEA	R233	0.0035	0.0035
60	1.00	EACH	41S8101-4	RES 39 K 1/10 W 1% 0603 CRCW060339K0FKEA	R227	0.0030	0.0030
70	1.00	EACH	41S8160	RES 10 K 1% 0603 CRCW06031002FRT1	R223	0.0035	0.0035
75	4.00	EACH	41S8181	RES 100 K 1 % 1/10W 0603 CRCW0603100KFKEA	R101, 212, 213, 231	0.0100	0.0400
77	1.00	EACH	41S8407-4	RES 0.0 OHM 1/10W 5% 0603 SMD 311-0.0GCT-ND	R105 (to bypass D100)	0.0045	0.0045
80	1.00	EACH	41S8438	RES 470 ohm 1% 0402 Vishay CRCW04024700FT or equiv	R202	0.0050	0.0050
105	1.00	EACH	42S0067-8	CAP 4.0 PF .25% NPO 0603 50V 0603CG4R0C9B200	C211	0.0059	0.0059
107	1.00	EACH	42S0068-4	CAP 8.0 PF NPO SMD +/-0.5PF SMD 0603 GRM1885C1H8R0DZ01D	C215	0.0041	0.0041
110	1.00	EACH	42S0071-6	CAP 15 PF NPO 5% 0603 50V C0603C150J5GACTU	C205	0.0055	0.0055
112	1.00	EACH	42S0076-4	CAP 27 PF NPO SMD 5% 0603 50V C0603C270J5GACTU	C216	0.0055	0.0055

Single Level Manufacturing BOM:

10D1037-CR MCDT RECEIVER ONLY PARTS ALL BANDS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
120	2.00	EACH	42S0077-4	CAP 33 PF NPO SMD 5% 0603 50V GRM1885C1H330JA01D	C214, 228	0.0043	0.0086
130	1.00	EACH	42S0082	CAP 22 PF NPO 5% 0603 50V 06035A220JAT2A	C239	0.0074	0.0074
150	1.00	EACH	42S0086	CAP 47 PF NPO 5% 0603 50V GRM1885C1H470JA01D	C241	0.0037	0.0037
160	1.00	EACH	42S0088	CAP 82 PF NPO 5% 0603 GRM1885C1H820JA01D	C213	0.0060	0.0060
170	1.00	EACH	42S0099	CAP 180 PF NPO 5% SMD 0603 50V C0603C181J5GACTU	C244	0.0060	0.0060
180	7.00	EACH	42S0151-4	CAP 0.1 UF 50 V 10% X7R SMD 0603 GRM188R71H104KA93D	C100, 101, 235, 237, 247, 250, 254	0.0056	0.0392
190	1.00	EACH	42S0221	CAP 3300 PF 5% X7R 0603 100V 06031C332JAZ2A	C245	0.0680	0.0680
200	2.00	EACH	42S0346	CAP .01 UF 50 V CER MONO 5% 0603 7" TAPE C0603C103J5RACTU	C238, 321	0.0100	0.0200
210	5.00	EACH	42S0356	CAP 0.001 UF 1nF 25V CERAMIC C0G 5% 0603 C0603C102J3GACTU	C208, 212, 248, 249, 251	0.0131	0.0655
220	1.00	EACH	42S1106-06	CAP 10 UF X5R 20% SMD 0603 6.3V GRM188R60J106ME47D	C240	0.0630	0.0630
230	1.00	EACH	42S1223-06	CAP 22000 PF .022 UF NPO 5% SMD 0603 50V C06035223J3RACTU	C246	0.0353	0.0353
240	1.00	EACH	42S2128	CAP, 5.1 pF, +/-10pF, 50V, NPO, 0603 GRM1885C1H5R1BZ01D	C200	0.0120	0.0120
245	0.00	EACH	42S DO NOT INSTALL	PART LOCATION REMAINS EMPTY	C201,202,206	0.0000	0.0000
250	1.00	EACH	43S0466	IC VARACTOR DIODE 3.5 TO 38 PF SMV1249-079LF	CR201	0.3200	0.3200
270	1.00	EACH	43S0481	IC, MICROPROC, MSP430, TSSOP-14 MSP430F2013IPWR	U101	1.7000	1.7000

Single Level Manufacturing BOM:

10D1037-CR MCDT RECEIVER ONLY PARTS ALL BANDS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
280	1.00	EACH	43S0482	IC, RECEIVER, SSOP-20 NJM2593V-TE1	U205	0.8750	0.8750
285	1.00	EACH	55S0003	COIL, 2.2 uH, 1008, 5% 1008LS-222XJLC	L204	0.2300	0.2300
330	1.00	EACH	55S0016	COIL, 1.0 uH, 340MHz SRF, 0805, .69Ohm max, .5A 0805LS102XJL	L207	0.3200	0.3200
337	1.00	SET	64Z0032	XTAL FILTER 21.4 MHZ/15 KHZ TE5270 M2/21.400MHZ	X201, 202	7.5000	7.5000
340	0.00	EACH	63Z0043-1	COIL 455 KHZ QUADRATURE-IF Q100 7MCS-8128Z	L208	2.0000	0.0000
360	1.00	EACH	64Z0048	XTAL 20.945 STD HC-45 32PF 20.945	Y202	13.9100	13.9100
370	1.00	EACH	64Z0112	XTAL FILTER 455 KHZ LTM 455 CU	X203	1.1200	1.1200
375	1.00	EACH	64Z0127	Discriminator, Ceramic, 455khz, NJM radio chip Murata CDBKB455KCAY70-R0 tape and reel 455khz	L208A	0.8800	0.8800

Number of Components: 38

Total of all Buy Items

27.2854

Single Level Manufacturing BOM:

10D1037-CT MCDT TRANSMITTER ONLY PARTS ALL

[SingleLevelManufacturingBOM]

BANDS						
Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Ext Cost
5	1.00	EACH	11C0515-A	MCDT RF SHIELD XMTR COVER, REV A		0.0000
10	1.00	EACH	41S8003	RES, 0.015 OHM, 0603, 1% 71-WSL0603-0.015-E3	R405	0.7600
20	2.00	EACH	41S8004	RES, 0.04, 0805, 1%, 1/8W WSL0805R0400FEK18	R300, 306	0.7540
30	1.00	EACH	41S8039-4	RES 100 OHM 1/10 W 1% 0603 RC0603FR-07100RL	R304	0.0024
40	1.00	EACH	41S8055-4	RES 470 OHM SMD 1/10 W 1% 0603 CRCW0603470RFKEA	R302	0.0030
50	1.00	EACH	41S8059-4	RES 680 OHM SMD 1/10 W 1% 0603 CRCW0603680RFKEA	R308	0.0040
55	1.00	EACH	41S8063-4	RES 1.0 K SMD 1/10 W 5% 0603 CRCW0603102JT	R207	0.0025
60	1.00	EACH	41S8071-6	RES, 2.26K, 0603, 1% 660-RK73H1JTTD2261F	R210	0.0024
65	2.00	EACH	41S8077-4	RES 3.9 K SMD 1/10 W 0603 1% 0603 1%	R211	0.0120
70	1.00	EACH	41S8079-4	RES 4.75 K 1/10W 1% 0603 CRCW06034K75FKEA	R314	0.0015
80	1.00	EACH	41S8092	RES, 16.5k, 0603, 1% 660-RK73H1JTTD1652F	R208	0.0025
90	1.00	EACH	41S8092-1	RES 16.0K OHM 1/10W 1% 0603 SMD ERJ-3EKF1602V	R313	0.0039
100	2.00	EACH	41S8099-4	RES 33.2K SMD 1/10 W 0603 1% CRCW060333K2FKEA	R401, 403	0.0070
110	1.00	EACH	41S8102	RES 40.2 K 1/10 W 1% 0603 CRCW060340K2FKEA	R319	0.0035
120	3.00	EACH	41S8106-4	RES 60.4 K SMD 1/10 W 1% 0603 CRCW060360K4FKEA	R312, 404, 200	0.0180

Single Level Manufacturing BOM:

10D1037-CT MCDT TRANSMITTER ONLY PARTS ALL

[SingleLevelManufacturingBOM]

BANDS

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
130	1.00	EACH	41S8113-4	RES 120 K SMD 1/10 W 1% 0603 CRCW0603120KFKEA	R230	0.0032	0.0032
140	1.00	EACH	41S8118-4	RES 200 K SMD 1/10 W 0603 1% CRCW0603200KFKEA	R406	0.0035	0.0035
150	3.00	EACH	41S8135-4	RES 1.0 MEG 1% 1/10W SMD 0603 CRCW06031M00FKEA	R310, 315, 316	0.0035	0.0105
170	2.00	EACH	41S8160	RES 10 K 1% 0603 CRCW06031002FRT1	R311, 317	0.0035	0.0070
180	5.00	EACH	41S8181	RES 100 K 1 % 1/10W 0603 CRCW0603100KFKEA	R214,215,216, 400, 402	0.0100	0.0500
190	1.00	EACH	41S8184-4	RES, 43.2 k, 0603, 1% CRCW060343K2FKEA	R318	0.0040	0.0040
200	1.00	EACH	41S8407-4	RES 0.0 OHM 1/10W 5% 0603 SMD 311-0.0GCT-ND	L304	0.0045	0.0045
205	0.00	EACH	41S DO NOT INSTALL	PART LOCATION REMAINS EMPTY	R301	0.0000	0.0000
206	0.00	EACH	42S DO NOT INSTALL	PART LOCATION REMAINS EMPTY	C203,210,227,3 26,400,410,414	0.0000	0.0000
215	2.00	EACH	42s0074	CAP 18 PF NPO 5% 0603 100V GRM1885C1H180JA01D	C207	0.0046	0.0092
220	1.00	EACH	42S0082	CAP 22 PF NPO 5% 0603 50V 06035A220JAT2A	C412	0.0074	0.0074
250	1.00	EACH	42S0099-5	CAP 220 PF NPO 5% SMD 0603 50V C0603C221J5GACTU	C253	0.0073	0.0073
260	1.00	EACH	42S0100	CAP 270 PF NPO 5% 0603 50V ECJ-1VC1H271J	C218	0.0120	0.0120
270	7.00	EACH	42S0151-4	CAP 0.1 UF 50 V 10% X7R SMD 0603 GRM188R71H104KA93D	C224, 302, 304, 305, 306, 311, 312	0.0056	0.0392
280	1.00	EACH	42S0188-4	CAP 5600 pF, 5.6nF, 5%, X7R, 0603, 50V 06035C562JAT2A	C226	0.0550	0.0550

Single Level Manufacturing BOM:

10D1037-CT MCDT TRANSMITTER ONLY PARTS ALL

[SingleLevelManufacturingBOM]

BANDS

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
290	1.00	EACH	42S0228	CAP 6800 PF X7R 5% 0603 50V C0603C682J5RACTU	C411	0.0660	0.0660
300	1.00	EACH	42S0242-4	CAP 4700 PF SMD 5% X7R 0603 C0603C472J5RACTU	C209	0.0059	0.0059
310	4.00	EACH	42S0346	CAP .01 UF 50 V CER MONO 5% 0603 7" TAPE C0603C103J5RACTU	C301, 310, 322, 416	0.0100	0.0400
320	3.00	EACH	42S0356	CAP 0.001 UF 1nF 25V CERAMIC C0G 5% 0603 C0603C102J3GACTU	C303, 308, 309	0.0131	0.0393
330	4.00	EACH	42S0367-4	CAP, 10UF, 10%, X5R, 1206, 25V C1206C106K3PACTU	C401,402,413, 405	0.0800	0.3200
340	6.00	EACH	42S0367-8	CAP, 10uF, 10%, X5R, 16V, 0805 GRM21BR61C106KE15L	C319, 323, 403, 406, 408, 415	0.0820	0.4920
350	1.00	EACH	42S1106-06	CAP 10 UF X5R 20% SMD 0603 6.3V GRM188R60J106ME47D	C404	0.0630	0.0630
355	1.00	EACH	42S1473-06	CAP 47000 PF .047 UF X7R 5% SMD 0603 25V 06033C473JAT2A	C255	0.0075	0.0075
360	1.00	EACH	42S2123	CAP, 1 uF, 10%, X5R, 0603, 25V 06033D105KAT2A	C409	0.0231	0.0231
370	1.00	EACH	42S2124	CAP, 1500 PF, 1.5NF, 5% COG, 0603 GRM1885C1H152JA01D	C252	0.0150	0.0150
380	1.00	EACH	42S2125	CAP, 18 NF, 18000 PF, 5%, X7R, 50V, 0603 C0603C183J5RACTU	C225	0.0730	0.0730
390	1.00	EACH	42S2126	CAP, 100 UF, 20%, 10V TANT, LOW ESR, SizeC, 2413 581-TPSC107M010R0075	C300	0.3170	0.3170
409	2.00	EACH	42s2140	cap, 150pf, 5%, COG, 0402, 50V GRM1555C1H151JA01D	C327, 328	0.0034	0.0068
410	1.00	EACH	42T0008	CAP 150 UF 10 V TANT, 55 ESR, Size D, 2917 T520D157M010ATE055	C407	0.4630	0.4630
420	1.00	EACH	43R0305	IC REG ADJ 2.5-36V 10A Iq=10uA, MSOP-10 LTC1871EMS#PBF	U400	2.7100	2.7100

Single Level Manufacturing BOM:

10D1037-CT MCDT TRANSMITTER ONLY PARTS ALL

[SingleLevelManufacturingBOM]

BANDS						
Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Ext Cost
430	3.00	EACH	43S0499	Low Pwr Op Amp Single RRIO 5.5Mhz 750ua SOT23-5 TI OPA340NA/250	U203, 204, 206	6.0000
440	1.00	EACH	43S0480	IC, CURRENT MONITOR, SOT-23-5, 100V/V GAIN INA195AIDBVT	U307	1.0714
450	1.00	EACH	43S0480-1	IC, CURRENT MONITOR, SOT-23-5, 20V/V GAIN INA193AIDBVT	U303	1.2600
460	2.00	EACH	43S0492	IC MICROPOWER CMOS OPAMP 2.7-14V VS OPA735AIDBV	U308, 309	3.7200
470	1.00	EACH	44D0080	DIODE High Current, 3-4E1A (M-Flat) CMS04QCT	D400	0.4034
480	1.00	EACH	44D0232	DIODE ZENER 2 V 0603 CZRU52C2	D300	0.0800
490	1.00	EACH	44S0244	BJT, PSOP-8 MAX2601ESA+	U301	2.3200
500	1.00	EACH	44S0245	FET, PSOP-8 L8711P	U302	9.4600
510	1.00	EACH	44S0246	FET, N-Channel, SC-70, TRENCHFET BSS138W	Q304	0.1650
520	1.00	EACH	44S0247	FET, MICRO-6, HEXFET, 20V, 5.6A IRLMS6802TRPBF	U300	0.2830
525	1.00	EACH	44D0248	DIODE, SCHOTTKY, DUAL, SOT-323 BAT54CWFILM	D100	0.0700
530	1.00	EACH	44S0248-4	FET, N-Channel High Speed FDS6574A	U401	0.6280
560	1.00	EACH	55S0007	COIL FIXED SMD 12.55 NH 5% 1606 1606-10JL	L306	0.5200
570	2.00	EACH	55S0008	COIL FIXED SMD 56 NH 5% 0603 MLG1608B56NJ	L 301, 212	0.0780
580	1.00	EACH	55S0010	COIL SMD Coupled Transformer L13-1003	L400	3.9500

Single Level Manufacturing BOM:

10D1037-CT MCDT TRANSMITTER ONLY PARTS ALL

[SingleLevelManufacturingBOM]

BANDS

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
590	1.00	EACH	55S0014	COIL, 27 nH, 5%, 0603 L-15W27NJV4S	L300	0.2400	0.2400
600	3.00	EACH	55S0015	COIL, 1.0 uH, Power Inductor, 2014, 1.68A EPL2014-102MLB	L401, 402, 404	0.3000	0.9000
610	1.00	EACH	55S0020	coil, 47nh, high Q, 2%, reel coilcraft/ 1008HQ-47NXGLC	L305	0.2400	0.2400
620	2.00	EACH	55S0023	Coil, 47nh, 2%, 0805, Q=50 @500M, 0.3ohm, 0.6Arms, Coilcraft 0805HT-47NTGLC	L302, 303	0.2400	0.4800
630	1.00	EACH	55S0024	coil, 68nh, 5%, 0603, 0.43ohm, 0.3A, 1.6Ghz SR TDK: MLG1608B68NJ	L203	0.0370	0.0370

Number of Components: 65

Total of all Buy Items

38.3369

Single Level Manufacturing BOM:

10D1037-RH MCDT HB RECEIVER ONLY PARTS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
40	1.00	EACH	42S0074	CAP 18 PF NPO 5% 0603 100V GRM1885C1H180JA01D	C204	0.0046	0.0046
50	1.00	EACH	55S0018	COIL, 68 nH 0.068 uH, 1008, 2% 1008HQ-68NXGLC	L201	0.2400	0.2400
60	1.00	EACH	55S0019	coil, 82nh, 1008, 2%, reel 1008HQ-82NXGLC	L206	0.2400	0.2400
70	1.00	EACH	55S0021	coil, 330nh, 2%, 1008, reel coilcraft/ 1008HS-331TGLC	L205	0.2400	0.2400
Number of Components:			4	Total of all Buy Items		0.7246	

Single Level Manufacturing BOM:

10D1037-TH MCDT HB TRANSMITTER ONLY PARTS

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
60	1.00	EACH	42S0077-4	CAP 33 PF NPO SMD 5% 0603 50V GRM1885C1H330JA01D	C307	0.0043	0.0043
70	1.00	EACH	42S2134	cap, 10pf, rf hi Q, 5%, 250V, 30ppm AVX sqcsva100jat1a	C315	0.1880	0.1880
80	1.00	EACH	42S2135	cap, 47pf, rf hi Q 2%, 250V avx/ SQCSVA470JAT1A	C316	0.0000	0.0000
90	1.00	EACH	42S2145	Cap, 20pf, 5%, rf Hi Q, 0603, 50V AVX SQCSVA200JAT1A	C317	0.0000	0.0000
100	2.00	EACH	42S2146	Cap 4.7pf, 5%, rf Hi Q 0603 SQCSVA4R7CAT1A	C313, 329	0.1900	0.3800
105	0.00	EACH	42S DO NOT INSTALL	PART LOCATION REMAINS EMPTY	C314, 318	0.0000	0.0000
110	2.00	EACH	55S0019	coil, 82nh, 1008, 2%, reel 1008HQ-82NXGLC	L307, 308	0.2400	0.4800
Number of Components:					Total of all Buy Items		1.0523

Single Level Manufacturing BOM:

10D1972 MCDT Piggy Back Power Supply

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
20	0.00	SCHM	19C1003	SCH MCDT PWR SUPPLY		0.0000	0.0000
30	1.00	EACH	20C1003-C	PCB MCDT PWR SUPPLY PIGGY BACK REV C		8.6000	8.6000
40	0.00	ADW	22C1003	MCDT PWR SUPPLY PIGGY BACK ASSEMBLY		0.0000	0.0000
50	0.00	DOC	29Z0904	Piggy Back Test Procedure		0.0000	0.0000
55	1.00	EACH	41S8035	RES 68 OHM SMD 1/10 W 1% 0805 CRCW080568R0FKEA	R9	0.0028	0.0028
60	1.00	EACH	41S8063-4	RES 1.0 K SMD 1/10 W 5% 0603 CRCW0603102JT	R1	0.0025	0.0025
65	1.00	EACH	41S8092	RES, 16.5k, 0603, 1% 660-RK73H1JTTD1652F	R15	0.0025	0.0025
70	1.00	EACH	41S8104-4	RES 51 K 1/10 W SMD 5% 0603 RK73B1JLTD513J	R14	0.0028	0.0028
75	1.00	EACH	41S8105-6	RES 56 K SMD 1/10 W 1% 0603	R4	0.0100	0.0100
80	2.00	EACH	41S8127-4	RES 470 K 1/10 W SMD 5% 0603 RK73B1JLTD474J	R10, 13	0.0022	0.0044
90	2.00	EACH	41S8135-4	RES 1.0 MEG 1% 1/10W SMD 0603 CRCW06031M00FKEA	R8, 12	0.0035	0.0070
100	2.00	EACH	41S8159-4	RES 10 MEG SMD 0603 RK73B1JTTD106J	R5, 11	0.0035	0.0070
102	1.00	EACH	41S8160	RES 10 K 1% 0603 CRCW06031002FRT1	R16	0.0035	0.0035
115	1.00	EACH	42S0118-6	CAP 2200 PF COG 5% 0603	C23	0.0190	0.0190
118	6.00	EACH	42S0151-4	CAP 0.1 UF 50 V 10% X7R SMD 0603 GRM188R71H104KA93D	C8, 11, 19, 21, 22, 26	0.0056	0.0336

Single Level Manufacturing BOM:

10D1972 MCDT Piggy Back Power Supply

[SingleLevelManufacturingBOM]

Line	Qty Per	UOM	QPN	Item Description / MFG/VENDOR PN	Ref Num	Cost Each	Ext Cost
120	5.00	EACH	42S0346	CAP .01 UF 50 V CER MONO 5% 0603 7" TAPE C0603C103J5RACTU	C1, 2, 12, 24, 25	0.0100	0.0500
130	2.00	EACH	42S0356	CAP 0.001 UF 1nF 25V CERAMIC C0G 5% 0603 C0603C102J3GACTU	C3, 9	0.0131	0.0262
140	2.00	EACH	42S0367	CAP 10 UF CERAMIC 25V Y5V +80-20% 1206 GRM31CF51E106ZA01L	C7, 18	0.0810	0.1620
145	1.00	EACH	42S1106-06	CAP 10 UF X5R 20% SMD 0603 6.3V GRM188R60J106ME47D	C10	0.0630	0.0630
150	2.00	EACH	42S2130	CAP, 10 F,-10%/+20%, 2.7V (SUPERCAP) ESHSR-0010C0-002R7	C17, 20	2.6550	5.3100
170	1.00	EACH	43S0432	IC VREG 5VDC 75MA SOT-23-5 S812C50AMC-C3ET2G	U2	0.2980	0.2980
175	1.00	EACH	43S0501	IC VREG 3A, 23V 340kHz, SOIC8N MP1570	U5	2.8600	2.8600
180	1.00	EACH	44S0236	DIODE 1.0A SCHOTTKY SMT LOW VF B130LAW-7-F	D1	0.0880	0.0880
190	2.00	EACH	44S0246	FET, N-Channel, SC-70, TRENCHFET BSS138W	Q2, 3	0.1650	0.3300
200	3.00	EACH	44S0252	FET, micro-6, P-Chan, Vgs=20V, Vds=30V, -5.5A Infineon BSL307SP	U1, 3, 4	0.2060	0.6180
210	1.00	EACH	44T0069	TRANSISTOR PNP MJD210-RL	Q1	0.1700	0.1700
215	1.00	EACH	55C0088	COIL 3.6A, 15uH, 50mOhm CDRH104RNP-150NC	L2	2.2300	2.2300
220	2.00	EACH	55S0015	COIL, 1.0 uH, Power Inductor, 2014, 1.68A EPL2014-102MLB	L1, 3	0.3000	0.6000
230	1.00	EACH	61S0007	CONN HEADER 10 PIN, Shroud, Keyed, 0.320" TFM-105-12-L-D-P	J1	0.0000	0.0000
240	1.00	EACH	61S0005	CONN SOCKET 10 PIN, Keyed SFM-105-T2-L-D-P	J2	1.2000	1.2000
Number of Components:				30	Total of all Buy Items		22.7003