



terials Designator Quantity	Description	Manufacturer ECS INC	1 ditivalibei	Bill Of Materials Line # Designator	Quantity Description	Manufacturer	Parti
B1 1	CRYSTAL, 25MHz, ±20PPM, 2.0 X 1.6MM, (ELEMENT14 405-9126)	INTERNATIONAL	ECS-250-10-37B-CTN-TR	Line # Designator 58 N56, N59 59 N58	2 VOLTAGE REGULATOR, SWITCHING, 7A, (MOUSER 595-TPS54719RTET) 1 VOLTAGE REGULATOR, LDO, +1.8V, 150mA, SOT23-5, (ELEMENT14 157-8368)	TEXAS INSTRUMENTS	
C1, C2, C557 3 5, C6, C7, C8, C9, C502, C503, C504, C505, C506, C509, C510, 511, C512, C513, C516, C517, C518, C519, C521, C522, C533, 31	CAPACITOR, CERAMIC, 10nF ±10%, 50V, X7R, 0603 SMD, (ELEMENT14 141-4609)	KEMET	C0603C103K5RACTU	60 N60	1 VOLTAGE REGULATOR, LDO, +1.6V, 130fflA, 30723-3, (ELEMENT 14 137-0366) 1 VOLTAGE REGULATOR, LDO, +900mV, 150mA, SOT23-5, (MOUSER 579-MCP1801T-0902IOT)	MICROCHIP	MCP180
C535, C538, C539, C542, C543, C544, C548, C549, C550	CAPACITOR, CERAMIC, 100nF ±10%, 16V, X7R, 0402 SMD, (ELEMENT14 406-1691)	WURTH	885012205037R	61 R1, R2 62 R3, R449, R450	2 RESISTOR, $96.5\Omega \pm 1\%$, 63 mW, 0402 SMD, (MOUSER 660 -RN73H1ETP96R5F50) 3 RESISTOR, $100\Omega \pm 1\%$, 63 mW, 0402 SMD, (ELEMENT14 233 -1443)	KOA TE CONNECTIVITY	RN73H1E
C10, C19, C20, C21, C22, C23, C24, C40, C59, C79, C80, C81, C82, C83, C84, C100, C119, C139, C140, C141, C142, C143, 144, C160, C179, C199, C200, C201, C202, C203, C204, C220,				63 R4, R5 R8, R44, R51, R57, R91, R98, R104, R138, R145, R151, R185,	2 RESISTOR, 100Ω ±1%, 63mW, 0402 SMD, (MOUSER 603-RT0402FRE07105RL)	YAGEO	RT0402F
143, C100, C161, C163, C164, C201, C202, C203, C204, C	CAPACITOR, CERAMIC, 100nF, ±10%, 10V, X7R, 0603 SMD, (ELEMENT14 252-4817)	WALSIN	0603B104K100CT	64 R192, R198, R232, R239, R245, R279, R286, R292, R326, R333, R339, R373, R380, R386, R491, R492, R502	28 RESISTOR, 10mΩ ±1%, 1W, 1206 SMD, (ELEMENT14 407-0202)	EATON BUSSMANN	MFSA120
382, C383, C384, C400, C419, C439, C440, C441, C442, C443, 444, C460, C479, C499, C520, C523, C524, C525, C526, C527,	ON NOTION, GET WIND, TOOM, TOV, XIN, GOOD SIND, (EEEINENTTY 202 4017)	WALGIN	000051041010001	65 R9, R43, R90, R137, R184, R231, R278, R325, R372 R10, R45, R52, R58, R92, R99, R105, R139, R146, R152, R186,	9 RESISTOR, 133k ±1%, 100mW, 0603 SMD, (ELEMENT14 395-0825)	YAGEO	RC0603F
530, C531, C559, C560, C561, C564, C567, C570, C573, C576, C579, C582, C585, C586, C588, C604, C606				66 R193, R199, R233, R240, R246, R280, R287, R293, R327, R334, R340, R374, R381, R387, R404, R405, R406, R407, R408, R411,	32 RESISTOR, 47k ±1%, 100mW, 0603 SMD, (ELEMENT14 399-4559)	WALSIN	SR06X
11, C25, C41, C64, C85, C101, C124, C145, C161, C184, C205, 221, C244, C265, C281, C304, C325, C341, C364, C385, C401, 30	CAPACITOR, CERAMIC, 47µF ±10%, 16V, X5R, 1210 SMD, (ELEMENT14 328-9029)	AVX	1210YD476KAT2A	67 R11, R59, R106, R153, R200, R247, R294, R341, R388, R494	10 RESISTOR, 51k ±1%, 100mW, 0603 SMD, (ELEMENT14 266-8282)	WALSIN	WR06>
C424, C445, C461, C484, C587, C589, C592, C605, C608 12, C26, C42, C65, C86, C102, C125, C146, C162, C185, C206,				68 R12, R47, R94, R141, R188, R235, R282, R329, R376 R13, R54, R60, R101, R107, R148, R154, R195, R201, R242,	9 RESISTOR, 105k ±1%, 100mW, 0603 SMD, (ELEMENT14 349-5720)	YAGEO	RC0603F
222, C245, C266, C282, C305, C326, C342, C365, C386, C402, C425, C446, C462, C485, C590	CAPACITOR, CERAMIC, 100nF ±10%, 25V, X7R, 0805 SMD, (ELEMENT14 174-0665)	AVX	08053C104KAT2A	69 R248, R289, R295, R336, R342, R383, R389, R497 70 R14, R61, R108, R155, R202, R249, R296, R343, R390	18 RESISTOR, 24k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0709) 9 RESISTOR, 3.24k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0754)	WALSIN	WR06>
C13, C14, C66, C67, C126, C127, C186, C187, C246, C247, C306, C307, C366, C367, C426, C427, C486, C487	CAPACITOR, CERAMIC, 22µF ±20%, 6.3V, X5R, 0603 SMD, (ELEMENT14 249-4232)	MURATA	GRM188R60J226MEA0D	R15, R50, R56, R62, R97, R103, R109, R144, R150, R156, R191, R197, R203, R238, R244, R250, R285, R291, R297, R332, R338,		WALSIN	WR06>
C15, C536, C537, C556, C602, C603, C610, C611 8 C16, C72, C132, C192, C252, C312, C372, C432, C492 9	CAPACITOR, CERAMIC, 1.0µF, ±10%, 16V, X7R, 0603 SMD, (ELEMENT14 249-6835) CAPACITOR, CERAMIC, 120pF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 249-6885)	WALSIN WALSIN	0603B105K160CT 0603N121J500CT	R344, R379, R385, R391, R501 72 R16, R63, R110, R157, R204, R251, R298, R345, R412, R427		VISHAY DRALORIC	CRCW060
C17, C73, C133, C193, C253, C313, C373, C433, C493 9 18, C39, C55, C74, C99, C115, C134, C159, C175, C194, C219,	CAPACITOR, CERAMIC, 15nF ±5%, 25V, NP0, 0603 SMD, (ELEMENT14 299-1247)	KEMET	C0603C153J3GECTU	73 R17, R18, R64, R65, R111, R112, R158, R159, R205, R206, R252, R253, R299, R300, R346, R347, R443, R444	18 RESISTOR, 249Ω ±1%, 63mW, 0402 SMD, (ELEMENT14 349-5566)	YAGEO	RC0402F
235, C254, C279, C295, C314, C339, C355, C374, C399, C415, C434, C459, C475, C494, C601	CAPACITOR, CERAMIC, 15nF ±10%, 50V, X7R, 0603 SMD, (ELEMENT14 249-6840)	WALSIN	0603B153K500CT	R19, R20, R30, R31, R32, R33, R34, R36, R37, R38, R39, R40, R41, R42, R66, R67, R77, R78, R79, R80, R81, R83, R84, R85,			
C27, C28, C43, C44, C45, C87, C88, C103, C104, C105, C147, 148, C163, C164, C165, C207, C208, C223, C224, C225, C267,				R86, R87, R88, R89, R113, R114, R124, R125, R126, R127, R128, R130, R131, R132, R133, R134, R135, R136, R160, R161,			A
268, C283, C284, C285, C327, C328, C343, C344, C345, C387, 43 388, C403, C404, C405, C447, C448, C463, C464, C465, C593,	CAPACITOR, CERAMIC, 10µF ±10%, 10V, X5R, 0805 SMD, (ELEMENT14 146-3362)	KEMET	C0805C106K8PACTU	R171, R172, R173, R174, R175, R177, R178, R179, R180, R181, R182, R183, R207, R208, R218, R219, R220, R221, R222, R224.	1114 RESISTOR, 0 OHMS, 0402 SMD, (ELEMENT14 117-4140)	NEOHM	CRG
C594, C595	CAPACITOR, CERAMIC, 100µF ±20%, 4V, X5R, 1206 SMD, (MOUSER 81-	MUDATA	CDM21CD60C107MEA9I	R225, R226, R227, R228, R229, R230, R254, R255, R265, R266, R267, R268, R269, R271, R272, R273, R274, R275, R276, R277,	RESISTOR, COTING, 0402 SIND, (EEEINENT 14 117-4 140)	NEOTIVI	
C29, C89, C149, C209, C269, C329, C389, C449 8 C30, C31, C35, C49, C90, C91, C95, C109, C150, C151, C155,	GRM31CR60G107MA8L)	MURATA	GRM31CR60G107MEA8L	R301, R302, R312, R313, R314, R315, R316, R318, R319, R320, R321, R322, R323, R324, R348, R349, R359, R360, R361, R362,			
169, C210, C211, C215, C229, C270, C271, C275, C289, C330, 331, C335, C349, C390, C391, C395, C409, C450, C451, C455,	CAPACITOR, CERAMIC, 4.7µF ±20%, 4V, X5R, 0402 SMD, (ELEMENT14 173-5525)	MURATA	GRM155R60G475ME87D	R363, R365, R366, R367, R368, R369, R370, R371, R445, R446 R21, R22, R68, R69, R115, R116, R162, R163, R209, R210,	AS DESIGNATION OF THE ARCHITECTURE OF THE ARCH	1/0.4	DNIZOLUE
C469 C32, C33, C36, C50, C51, C57, C58, C61, C62, C63, C69, C70,				75 R256, R257, R303, R304, R350, R351, R447, R448 R23, R26, R27, R28, R70, R73, R74, R75, R117, R120, R121,	18 RESISTOR, 62.6Ω ±1%, 63mW, 0402 SMD, (MOUSER 660-RN73H1ETP62R6F50)	KOA	RN73H1E
C71, C76, C77, C78, C92, C93, C96, C110, C111, C117, C118, 121, C122, C123, C129, C130, C131, C136, C137, C138, C152,				R122, R164, R167, R168, R169, R211, R214, R215, R216, R258, R261, R262, R263, R305, R308, R309, R310, R352, R355, R356,			
153, C156, C170, C171, C177, C178, C181, C182, C183, C189, 190, C191, C196, C197, C198, C212, C213, C216, C230, C231,				76 R357, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R473, R474, R475, R476, R477,	64 RESISTOR, 4.7k ±1%, 100mW, 0603 SMD, (ELEMENT14 923-8565)	YAGEO	RC0603
237, C238, C241, C242, C243, C249, C250, C251, C256, C257, 258, C272, C273, C276, C290, C291, C297, C298, C301, C302, 128	CAPACITOR, CERAMIC, 470nF ±10%, 6.3V, X5R, 0402 SMD, (ELEMENT14 336-9133)	YAGEO	CC0402KRX5R5BB474	R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490			
303, C309, C310, C311, C316, C317, C318, C332, C333, C336, 350, C351, C357, C358, C361, C362, C363, C369, C370, C371,				77 R24, R71, R118, R165, R212, R259, R306, R353 78 R25, R72, R119, R166, R213, R260, R307, R354	8 RESISTOR, 330Ω ±1%, 100mW, 0603 SMD, (ELEMENT14 290-8371) 8 RESISTOR, 2.4k ±1%, 100mW, 0603 SMD, (ELEMENT14 250-2435)	BOURNS WALSIN	CR0603- WR06>
376, C377, C378, C392, C393, C396, C410, C411, C417, C418, 421, C422, C423, C429, C430, C431, C436, C437, C438, C452,				R29, R35, R76, R82, R123, R129, R170, R176, R217, R223, R264, R270, R311, R317, R358, R364, R392, R393, R394, R395,	26 RESISTOR, 180Ω ±1%, 100mW, 0603 SMD, (ELEMENT14 923-8395)	YAGEO	RC0603F
453, C456, C470, C471, C477, C478, C481, C482, C483, C489, C490, C491, C496, C497, C498				R396, R397, R398, R399, R415, R416 80 R46, R93, R140, R187, R234, R281, R328, R375, R496, R505	10 RESISTOR, 25.5k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0720)	WALSIN	WR06>
C34, C48, C56, C60, C68, C75, C94, C108, C116, C120, C128, 135, C154, C168, C176, C180, C188, C195, C214, C228, C236, C46, C674, C67	CARACITOR OFRANIC 47./F 1009/ 401/ VER 0005 CMR /FI EMENTAL 004 4020)	MUDATA	ODMOADDOAAA7CME45I	81 R48, R95, R142, R189, R236, R283, R330, R377 82 R49, R96, R143, R190, R237, R284, R331, R378	8 RESISTOR, 102k ±1%, 100mW, 0603 SMD, (ELEMENT14 395-0987) 8 RESISTOR, 2.1k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0688)	YAGEO WALSIN	RC0603F WR06>
240, C248, C255, C274, C288, C296, C300, C308, C315, C334, S48, C356, C360, C368, C375, C394, C408, C416, C420, C428, C420, C4	CAPACITOR, CERAMIC, 47µF, ±20%, 10V, X5R, 0805 SMD, (ELEMENT14 261-1939)	MURATA	GRM21BR61A476ME15L	83 R53, R100, R147, R194, R241, R288, R335, R382, R495 84 R55, R102, R149, R196, R243, R290, R337, R384, R413	9 RESISTOR, 75k ±1%, 100mW, 0603 SMD, (ELEMENT14 266-8286) 9 RESISTOR, 3.01k ±1%, 100mW, 0603 SMD, (ELEMENT14 399-4401)	WALSIN WALSIN	WR06X
C435, C454, C468, C476, C480, C488, C495, C500, C501 C37, C97, C157, C217, C277, C337, C397, C457 8	CAPACITOR, CERAMIC, 160pF ±2%, 50V, NP0, 0603 SMD, (MOUSER 81-	MURATA	GRM1885C1H161GA01J	85 R400, R401 86 R402, R403, R428	2 RESISTOR, 2.21k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0696) 3 RESISTOR, 0 OHMS, 0603 SMD, (ELEMENT14 146-9739)	WALSIN VISHAY DRALORIC	WR06X
C38, C98, C158, C218, C278, C338, C398, C458 8	GRM1885C1H161GA1J) CAPACITOR, CERAMIC, 10nF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 245-6107)	MURATA	GRM1885C1H103JA01D	87 R409, R410 88 R414	2 RESISTOR, 1.5k ±1%, 100mW, 0603 SMD, (ELEMENT14 233-3563) 1 RESISTOR, 220Ω ±1%, 100mW, 0603 SMD, (ELEMENT14 207-8903)	BOURNS WELWYN	CR0603-F
C46, C47, C106, C107, C166, C167, C226, C227, C286, C287, C346, C347, C406, C407, C466, C467	CAPACITOR, CERAMIC, 4.7μF ±10%, 10V, X7R, 0603 SMD, (ELEMENT14 358-2862)	MURATA	GRM188Z71A475KE15D	89 R426 90 R431	1 RESISTOR, 20k ±1%, 100mW, 0603 SMD, (ELEMENT14 207-8903) 1 RESISTOR, 20k ±1%, 100mW, 0603 SMD, (ELEMENT14 395-1043) 1 RESISTOR, 10k ±1%, 100mW, 0603 SMD, (ELEMENT14 923-8603)	YAGEO YAGEO	RC0603
	CAPACITOR, CERAMIC, 1.0nF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 249-6882) CAPACITOR, CERAMIC, 180pF ±10%, 50V, NP0, 0603 SMD, (MOUSER 581-06035A181K)	WALSIN AVX	0603N102J500CT 06035A181KAT2A	91 R432, R507	2 RESISTOR, 100k ±1%, 100mW, 0603 SMD, (ELEMENT14 399-4537)	WALSIN	SR06X
C54, C114, C174, C234, C294, C354, C414, C474 8 C507, C508, C514, C515 4	CAPACITOR, CERAMIC, 33nF ±5%, 50V, NP0, 0805 SMD, (ELEMENT14 221-0953) CAPACITOR, CERAMIC, 22µF ±10%, 10V, X7R, 1206 SMD, (ELEMENT14 301-3530)	TDK SAMSUNG	CGA4J2C0G1H333J125AA CL31B226KPHNNNE	92 R493, R503 93 R498	2 RESISTOR, 86.6k ±1%, 100mW, 0603 SMD, (ELEMENT14 349-5919) 1 RESISTOR, 5.9k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0855)	YAGEO WALSIN	RC0603F WR06>
C528, C529 2 C532, C534, C558 3	CAPACITOR, CERAMIC, 10pf ±5%, 50V, NP0, 0402 SMD, (ELEMENT14 181-6723) CAPACITOR, CERAMIC, 2.2µF, ±10%, 10V, X7R, 0805 SMD, (ELEMENT14 301-3491)	YAGEO SAMSUNG	CC0402JRNPO9BN100. CL21B225KPFNNNE	94 R499 95 R500, R508	1 RESISTOR, 4.02k ±1%, 100mW, 0603 SMD, (ELEMENT14 353-9950) 2 RESISTOR, 32.4k ±1%, 100mW, 0603 SMD, (ELEMENT14 267-0755)	KOA WALSIN	RK73H1, WR06)
540, C541, C545, C546, C547, C551, C552, C553, C554, C555 10 562, C563, C565, C566, C568, C569, C571, C572, C574, C575, 16	CAPACITOR, CERAMIC, 10nF ±10%, 10V, X7R, 0402 SMD, (ELEMENT14 253-3974) CAPACITOR, CERAMIC, 22µF, ±20%, 6.3V, X5R, 0805 SMD, (ELEMENT14 301-3461)	WURTH SAMSUNG	885012205012 CL21A226MQQNNNE	96 R504 97 R506	1 RESISTOR, 115k ±1%, 100mW, 0603 SMD, (ELEMENT14 395-0818) 1 RESISTOR, 8.06k ±1%, 100mW, 0603 SMD, (ELEMENT14 266-8287)	YAGEO WALSIN	RC0603F WR06
C577, C578, C580, C581, C583, C584 C591 1	CAPACITOR, CERAMIC, 82pf ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 249-6914)	WALSIN	0603N820J500CT	98 S1, S2, S3, S4, S5, S6, S7, S8, S10 99 S9	9 SWITCH, PUSHBUTTON, SPNO MOMENTARY, (ELEMENT14 176-432) 1 SWITCH, DIP, 4PST, (ELEMENT14 243-5170)	OMRON C&K SWITCHES	B3F SDA(
C596, C607 2 C597 1	CAPACITOR, CERAMIC, 47pF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 376-4457) CAPACITOR, CERAMIC, 4.7nF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 261-1918)	YAGEO MURATA	CC0603JPNPO9BN470 GRM1885C1H472JA01D	100 T1 101 U1, U2, U3, U4, U5, U6, U7, U8	1 RF 1:1 TRANSMISSION LINE TRANSFORMER, (MOUSER 937-ETC1-1-13TR) 8 FPGA, SPARTAN-7, 225CSGA, (DIGIKEY 122-2121-ND)	MACOM AMD	XC7S25-2
C598, C614 2	CAPACITOR, CERAMIC, 3.9nF ±10%, 10V, X7R, 0603 SMD, (MOUSER 581-0603ZC392KAT2A)	AVX	0603ZC392KAT2A	102 V1, V2 103 V3	2 ESD PROTECTION DIODE ARRAY, SOT23-5, (MOUSER 595-ESDS314DBVR) 1 ESD PROTECTION DIODE ARRAY, SOT23-5, (MOUSER 595-ESDS314DBVR)	TEXAS INSTRUMENTS TEXAS INSTRUMENTS	S ESDS
C599 1 C600 1	CAPACITOR, CERAMIC, 110pF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 289-6851) CAPACITOR, CERAMIC, 12nF, ±5%, 50V, NP0, 0805 SMD, (ELEMENT14 249-7013)	KEMET MURATA	C0603C111J5GACTU GCM2195C1H123JA16D	104 V4 105 V5	1 NPN SILICON TRANSISTOR, 500mA, SOT-23 SMD, (ELEMENT14 242-3100) 1 ESD PROTECTION DIODE, ±5.5V, SOT-523, (MOUSER 595-TPD1E10B06DYAR)	NEXPERIA TEXAS INSTRUMENTS	
C609 1 C612 1	CAPACITOR, CERAMIC, 10µF ±10%, 25V, X7R, 1206 SMD, (ELEMENT14 182-8837) CAPACITOR, CERAMIC, 33pF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 249-6900)	MURATA WALSIN	GRM31CR71E106KA12L 0603N330J500CT	106 X1 107 X2	1 MEZZANINE CONNECTOR, MALE, 240 PIN, (ELEMENT14 413-1878) 1 MEZZANINE CONNECTOR, MALE, 240 PIN, (ELEMENT14 413-1878)	SAMTEC SAMTEC	ADM6-60- ADM6-60-
C613 1 E1, E2, E3, E4 4	CAPACITOR, CERAMIC, 2.7nF ±5%, 50V, NP0, 0603 SMD, (ELEMENT14 376-4204) SFP+ CAGE, 1.8mm SOLDER PIN, (MOUSER 571-2227303-3)	WALSIN TE CONNECTIVITY	MT18N272J500CT 2227303-3	108 X3, X4, X5 109 X6, X8, X10, X12, X14, X16, X18, X20	3 SMA SOCKET, STRAIGHT, (ELEMENT14 124-8990) 8 HEADER, BOXED, 6 WAY, STRAIGHT, 2.0mm PITCH, (ELEMENT14 139-3817)	TE CONNECTIVITY MOLEX	5-18 ² 8783
G1 1	CRYSTAL OSCILLATOR, LVDS, 156.25MHz, ±25PPM, 2.5-3.3V, (MOUSER 520- ECX2LMV3CN156250)	ECS	ECX2-LMV-3CN-156.250	110 X7, X9, X11, X13, X15, X17, X19, X21, X22 111 X23	9 HEADER, BOXED, 14 WAY, STRAIGHT, 2.0mm PITCH, (ELEMENT14 210-2706) 1 SOCKET, MICRO SD CARD, PUSH-PUSH, (ELEMENT14 208-1363)	MOLEX WURTH ELECTRONIA	8783
H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H22, H23, H24, H25, H26	LED, ORANGE, 0805 SMD, (ELEMENT14 579-0864)	BROADCOM	HSMD-C170	112 X24 113 X25	1 SOCKET, RJ45 WITH INTEGRATED MAGNETICS, 2 LEDS, (ELEMENT14 327-9617) 1 SOCKET, USB MICRO B, RIGHT ANGLE, (ELEMENT14 229-3836)	BEL MOLEX	0826-1 1050
L1, L5, L8, L11, L14, L17, L20, L23, L26 9 L2, L27 2	INDUCTOR, 2.7µH, 2A, 4848 SMD, (ELEMENT14 221-1445) FERRITE BEAD, 1k, 800mA, 0603 SMD, (ELEMENT14 377-3584)	WURTH YAGEO	7440420027 BBPY00160808102Y00	114 X26 115 X27, X28, X29, X30	1 MODULAR JACK, 8P8C, CAT5, SHIELDED, RIGHT ANGLE, (ELEMENT14 107-7747) 4 SOCKET, 20 PIN, SFP+, R/A, (ELEMENT14 175-5785)		TM21R-
L3, L6, L9, L12, L15, L18, L21, L24 8 L4, L7, L10, L13, L16, L19, L22, L25 8	INDUCTOR, 1.4µH ±20%, 14A, SHIELDED, (MOUSER 994-MLC7540-142MEC) INDUCTOR, 5.6µH ±20%, 3A, SHIELDED, (ELEMENT14 377-9987)	COILCRAFT VISHAY	MLC7540-142MEC IHLP2020CZER5R6M01	116 X31 117 X32	1 PLUG, MICROFIT 6 WAY, THROUGH-HOLE STRAIGHT, (ELEMENT14 101-2248) 1 HEADER, STRAIGHT, LOCKING, 2 WAY, 2.54mm PITCH, (ELEMENT14 973-1148)	MOLEX MOLEX	4304
L28, L29, L30, L31, L32, L33, L34, L35 8 L36, L38	INDUCTOR, 4.7µH, 3A, (ELEMENT14 174-1314) INDUCTOR, 680nH ±20%, 15A, SHIELDED, (ELEMENT14 118-7061)	VISHAY	IHLP2020BZER4R7M11 IHLP2525CZERR68M01	7.02			22-2
L37 1 1 MTG1, MTG2, MTG3, MTG4 4	INDUCTOR, 2.2µH, 5.5A, 5252 SMD, (ELEMENT14 230-9885) STANDOFF, JACKING, 5.15MM, PRESS FIT. (MOUSER 200-JSOM-0515-01)	BOURNS SAMTEC	SRP5030T-2R2M JSOM-0515-01				
N1 1	LVDECL 1:10 DIEEEDENTIAL FANOLIT BLIEFED VOEN 22 (MOLISED 505	TEXAS INSTRUMENTS	CDCLVP111RHBR				
I2, N5, N6, N8, N11, N12, N14, N17, N18, N20, N23, N24, N26, N29, N30, N32, N35, N36, N38, N41, N42, N44, N47, N48, N50, 26	VOLTAGE REGULATOR, SWITCHING, 4A, (MOUSER 595-TPS54418ARTET)	TEXAS INSTRUMENTS	TPS54418ARTE				
N29, N30, N32, N33, N36, N41, N42, N44, N47, N46, N30, N57 N3, N9, N15, N21, N27, N33, N39, N45	BUFFER, DUAL INVERTING, SOT363 SMD. (ELEMENT14 344-2072)	NEXPERIA	74LVC2G06GW,125				
N3, N9, N15, N21, N27, N33, N39, N45 8 N4, N10, N16, N22, N28, N34, N40, N46 8	SERIAL FLASH MEMORY, 256Mb, SPI/QPI, TFBGA-24, (MOUSER 870-IS25LP256D-RHLE)	ISSI	IS25LP256D-RHLE				
N7, N13, N19, N25, N31, N37, N43, N49 8 N51 1	VOLTAGE REGULATOR, LDO, LOW NOISE, 1.8V, 1A, LFCSP-8, (ELEMENT14 402-6750) BUFFER, OCTAL INVERTING, TSSOP-20, (MOUSER 757-74LCX540FTAE)	ANALOG DEVICES TOSHIBA	ADM7171ACPZ-1.8 74LCX540FT				
N52 1	TRANSCEIVER, 1000 BASE-T, 40 LEAD LFCSP-EP, (ELEMENT14 402-6129)	ANALOG DEVICES	ADIN1300BCPZ				
N53 1 N54 1	SD CARD VOLTAGE TRANSLATOR, QFN-20, (ELEMENT14 391-2110) USB - UART INTERFACE, QFN-20, (MOUSER CP2102N-A02-GQFN28)	NXP SILICON LABS	NVT4858HKZ CP2102N-A02-GQFN20				
N55 1	BUFFER, DUAL BIDIRECTIONAL VOLTAGE TRANSLATING, SSOP-08, (ELEMENT14 312-0980)	TEXAS INSTRUMENTS	TXS0102DCT				
				Г		stralian Government	
				<u> </u>	Carrier D	epartment of Defence cience and Technology	PO E
				<u> </u>	78.	DIGITISER - DIGITA	
<u> </u>						PCB Assembly Drawing	_