

# MYIR Tech Limited

Article No.: 4020300001 P/N: MYS-437X-100-C Item: Rico Board

Unit: 1.PCS

Qty: 1 Date: 2015-11-06 Version V1.3

No.	P/N	Item	Description	Value	Brand	Packaging	Item number	Qty	Attrition Rate	Remark
1	2040100008	GRM155R71H103KA88D	Ceramic Capacitor, 10nF, +/- 10%,X7R,50V, SMD,0402,Murata	10nF	Murata	0402	C1,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C58,C59,C60,C61,C62,C66,C67,C68,C69,C70,C71,C72,C73,C74,C76,C77,C78,C79,C80,C81,C82,C84,C85,C86,C92,C94,C95,C97,C98,C99,C120,C121,C122,C123,C124,C125,C126,C127,C128,C129,C130,C131,C132,C133,C134,C135,C136,C137,C139,C140,C148,C149,C156,C157,C158,C159,C160,C161,C162,C163,C170,C186,C187,C191,C192,C195,C197	94.	0.05	
2	2040100006	GRM155R71C104KA88D	Ceramic Capacitor, 100nF, +/- 10%,X7R,16V, SMD,0402,Murata	100nF	Murata	0402	C3,C6,C100,C102,C109,C110,C111,C112,C113,C114,C115,C116,C117,C118,C119,C142,C153,C154,C164,C165,C168,C171,C172,C173,C174,C175,C176,C178,C179,C182,C183,C198,C200,C201,C202,C204,C207,C210,,C214,C216,C217,C218,C219,C220,C235	45.	0.05	
3	2040100046	GRM21BR61C106KE15L	Ceramic Capacitor, 10uF, +/- 10%,X5R,16V, SMD,0805,Murata	10uF	Murata	0805	C4,C13,C14,C15,C18,C19,C23,C24,C27,C41,C42,C56,C57,C65,C143,C144,C145,C150,C151,C152,C167,C169	22.	0.05	
4	2040100045	TCC0805COG100J102FT	Ceramic Capacitor, 10pF, +/- 5%,X7R,1KV, SMD,0805,Murata	10pF	CCTC	0805	C230,C231,C232,C233	4.	0.05	
5	2040100041	GRM188R61C475KE11D	Ceramic Capacitor, 4.7uF, +/- 10%,X5R,16V, SMD,0603,Murata	4.7uF	Murata	0603	C7,C8,C9,C10,C11,C12	6.	0.05	
6	2040100039	GRM188R60J226MEA0D	Ceramic Capacitor, 22uF, +/- 20%,X5R,6.3V, SMD,0603,Murata	22uF	Murata	0603	C16,C17,C185	3.	0.05	

7	2040100049	GRM21BR61A 226ME51L	Ceramic Capacitor, 22uF,+/- 20%,X5R,10V, SMD,0805,Mur ata	22uF	Murata	0805	C21,C22,C26,C138,C141	5.	0.05	
8	2040100032	GRM188R61A 106KE69D	Ceramic Capacitor, 10uF,+/- 10%,X5R,10V, SMD,0603,Mur ata	10uF	Murata	0603	C63,C64,C75,C83,C87,C88,C177,C180,C181,C184,C199 ,C203,C205,C208,C211	15.	0.05	
9	2040100014	GRM155R61C 105KE01D	Ceramic Capacitor, 1uF,+/- 10%,X7R,16V, SMD,0402,Mur ata	1uF	Murata	0402	C89,C90,C91,C93,C166	5.	0.05	
10	2040100038	GRM188R61C 225KE15D	Ceramic Capacitor, 2.2uF,+/- 10%,X5R,16V, SMD,0603,Mur ata	2.2uF	Murata	0603	C96	1.	0.05	
11	2040100012	GRM155R71H 102JA01D	Ceramic Capacitor, 1nF,+/- 5%,X7R,50V,S MD,0402,Murat a	1nF	Murata	0402	C101,C103,C146,C147	4.	0.05	
12	2040100016	GRM1555C1H 200JA01D	Ceramic Capacitor, 20pF,+/- 5%,C0G,50V,S MD,0402,Murat a	20pF	Murata	0402	C104,C106,C107,C108	4.	0.05	
13	2040100009	GRM1555C1H 100JA01D	Ceramic Capacitor, 10pF,+/- 5%,C0G,50V,S MD,0402,Murat a	10pF	Murata	0402	C155,C221,C222,C223,C224,C225	6.	0.05	
14	2040100036	GRM188R61E 105KA12D	Ceramic Capacitor, 1uF,+/- 10%,X7R,25V, SMD,0603,Mur	1uF	Murata	0603	C188,C189,C228,C229	4.	0.05	

15	2040100054	GRM31CR61A 476KE15L	Ceramic Capacitor, 47uF,+/- 20%,X5R,10V, SMD,1206,Mur ata	47uF	Murata	1206	C193,C194	2.	0.05	
16	2040100019	GRM1555C1H 220JA01D	Ceramic Capacitor, 22pF,+/- 5%,C0G,50V,S MD,0402,Murat a	22pF	Murata	0402	C206,C209	2.	0.05	
17	2040300001	TAJA106K016 RNJ	Tantalum Capacitor,10uF, +/- 10%,16V,SMD, 3216(A),AVX	10uF	AVX	A	C213,C215	2.	0.05	
18	2040300004	TAJB107M010 RNJ	Tantalum Capacitor,100u F, +/- 20%,10V,SMD, 3528(B),AVX	100uF	AVX	B	C5,C226	2.	0.05	
19	2040400002	VEJ- 221M1VTR- 0810	Aluminum Electrolytic Capacitor, 220 uF,+/- 10%,35V,8x10 mm,SMD,Lelon	220uF	Lelon	8X10mm	C2	1.	0.05	
20	2080100003	MF-MSMF200- 2	Fuse,Resettabl e,2A,8V,SMD,1 812,Bourns	2A	Bourns	F1812	F1	1.	0.05	
21	2050100014	SPM3012T- 1R5M	Inductor Power Shielded Wirewound 1.5uH 20% 100KHz Metal 2.5A 90mOhm?SMD 3.2*3*1.2,TDK	1.5uH	TDK	SMD	L1,L2,L3,L4	4.	0.05	

22	2050100012	MLZ2012N100L	Inductor Power Shielded Multi-Layer 10uH 20% 2MHz Ferrite 500mA 390mOhm DCR 0805,TDK	10uH	TDK	SMD	L5,L6	2.	0.05	
23	2060100001	BLM18PG221SN1D	Ferrite Bead,220R@100Mhz, 1400mA,+/-25%,SMD,0603,Murata	220R	Murata	FB0603	L7,L8,L10,L11,L12,L17,L18,L19,L21,L22,L26,L28,L13,L14,L15,L16,L20,L24,L30	19.	0.05	
24	2060100003	BLM21PG221SN1D	Ferrite Bead,220R@100Mhz, 2000mA,+/-25%,SMD,0805,Murata	220R	Murata	FB0805	L31	1.	0.05	
25	2050400002	SDCW2012-2-900TF	Inductor,Common Choke,90ohm @100MHz,±25%,330mA,0.35ohm,Sunlord	90ohm	Sunlord	SDCW2012	L23,L29	2.	0.05	
26	2030100004	RC0402FR-0710KL	Thick Film Resistor,10K,+/-1%,1/16W,SMD,0402,Yageo	10K	Yageo	0402	R1,R16,R27,R61,R62,R106, R80,R98,R107,R146,R150,R153,R155,R157,R182,R193,R194,R88,R89,R90,R91,R92,R217,R218,R219,R220,R221,R222,R224,R225,R226,R227,R228,R229,R231,R232,R233,R234,R127,R165	40.	0.05	
27	2030100001	RC0402FR-070RL	Thick Film Resistor,0R,+/-1%,1/16W,SMD,0402,Yageo	0R	Yageo	0402	R2,R17,R18,R63,R85,R95,R100,R101,R102,R108,R115,R116,R117,R119,R120,R121,R144,R145,R168,R179,R186,R187,R237,R238,R239,R240,R241,R242,R243,R244,R245,R246,R262,R263,R264,R265,R266,R267,R195,R197,R198,R199,R200,R201,R206,R207,R208,R209,R210,R212,R256,R20,R21,R22,R23,R25,R26,R29,R47,R250,R258	61.	0.05	
28	2030100046	RC0402FR-07470RL	Thick Film Resistor,470R,+/-1%,1/16W,SMD,0402,Yageo	470R	Yageo	0402	R129,R130,R252,R253	4.	0.05	

29	2030100003	RC0402FR-07100RL	Thick Film Resistor,100R, +/- 1%,1/16W,SMD ,0402,Yageo	100R	Yageo	0402	R4,R5,R188	3.	0.05	
30	2030100002	RC0402FR-07100KL	Thick Film Resistor,100K,+/- 1%,1/16W,SMD ,0402,Yageo	100K	Yageo	0402	R6,R7,R8,R9,R15,R64,R82,R86,R118,R259,R260, R94, R211,R213,R214,R215,R230,R268	18.	0.05	
31	2030100133	RC0402FR-0722KL	Thick Film Resistor,22K+/- 1%,1/16W,SMD ,0402,Yageo	22K	Yageo	0402	R13	1.	0.05	
32	2030100020	RC0402FR-0720KL	Thick Film Resistor,20K,+/- 1%,1/16W,SMD ,0402,Yageo	20K	Yageo	0402	R19	1.	0.05	
33	2030100017	RC0402FR-071ML	Thick Film Resistor,1M,+/- 1%,1/16W,SMD ,0402,Yageo	1M	Yageo	0402	R28	1.	0.05	
34	2030100051	RC0402FR-0749R9L	Thick Film Resistor,49.9R, +/- 1%,1/16W,SMD ,0402,Yageo	49.9R	Yageo	0402	R30,R38,R69	3.	0.05	
35	2030100049	RC0402FR-0747RL	Thick Film Resistor,47R,+/- 1%,1/16W,SMD ,0402,Yageo	47R	Yageo	0402	R31,R32,R33,R34,R35,R36,R37,R39,R40,R41,R42,R43, R44,R45,R46,R48,R49,R50,R51,R53,R54,R55,R56,R58	24.	0.05	
36	2030100024	RC0402FR-07240RL	Thick Film Resistor,240R, +/- 1%,1/16W,SMD ,0402,Yageo	240R	Yageo	0402	R59,R60	2.	0.05	
37	2030100028	RC0402FR-072K2L	Thick Film Resistor,2.2K,+/- 1%,1/16W,SMD ,0402,Yageo	2.2K	Yageo	0402	R65,R66, R11,R12,R96,R97,R103,R104	8.	0.05	

38	2030100005	RC0402FR-0710RL	Thick Film Resistor,10R,+/-1%,1/16W,SMD,0402,Yageo	10R	Yageo	0402	R68	1.	0.05	
39	2030100050	RC0402FR-0749K9L	Thick Film Resistor,49.9K,+/-1%,1/16W,SMD,0402,Yageo	49.9K	Yageo	0402	R72,R73,R74,R75,R76,R77,R78,R79	8.	0.05	
40	2030100045	RC0402FR-07470KL	Thick Film Resistor,470K,+/-1%,1/16W,SMD,0402,Yageo	470K	Yageo	0402	R87	1.	0.05	
41	2030100022	RC0402FR-0722RL	Thick Film Resistor,22R,+/-1%,1/16W,SMD,0402,Yageo	22R	Yageo	0402	R93,R109,R110,R111,R112,R114,R132,R133,R134,R135,R136,R137,R138,R139,R140,R141,R142,R143,R202,R203,R204,R205,R261	23.	0.05	
42	2030100053	RC0402FR-074K7L	Thick Film Resistor,4.7K,+/-1%,1/16W,SMD,0402,Yageo	4.7K	Yageo	0402	R99,R123,R124,R128,R181,R183,R184,R185	8.	0.05	
43	2030100052	RC0402FR-074K3L	Thick Film Resistor,4.3K,+/-1%,1/16W,SMD,0402,Yageo	4.3K	Yageo	0402	R105	1.	0.05	
44	2030100056	RC0402FR-0751KL	Thick Film Resistor,51K,+/-1%,1/16W,SMD,0402,Yageo	51K	Yageo	0402	R122	1.	0.05	
45	2030100014	RC0402FR-071K5L	Thick Film Resistor,1.5K,+/-1%,1/16W,SMD,0402,Yageo	1.5K	Yageo	0402	R147	1.	0.05	
46	2030100016	RC0402FR-071KL	Thick Film Resistor,1K,+/-1%,1/16W,SMD,0402,Yageo	1K	Yageo	0402	R149,R160,R162,R164,R167,R177,R3,R189,R190,R191,R192	11.	0.05	

47	2030100007	RC0402FR-0712K1L	Thick Film Resistor,12.1K, +/- 1%,1/16W,SMD ,0402,Yageo	12.1K	Yageo	0402	R152	1.	0.05	
48	2120100003	PTCLGP2-V-T/R	Switch,Tacticle, 4Pin,black plunger,3.9x2.9 x2.5mm 2.2N SMD ,DIP	PTCLGP2-V-T/R	DIP	KEY-PTCFG	SW1,SW2,SW3,SW4	4.	0	
49	2070100014	SMBJ5.0A-E3/52	Diode,TVS,600 W,5V,65.3A,SM D,DO-214AC(SMB),Vishay	SMBJ5.0A-E3/52	Vishay	SMA	D2	1.	0.03	
50	2070100001	B72590D0050H160	Diode,TVS,5.6V 1uA 0.6pF,SMD,D0402,TDK	B72590D0050H160	TDK	D0402	D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14,D17,D18,D20,D21,D22,D27,D28	18.	0.03	
51	2070100005	MMSD103T1G	Diode Small Signal Switching 250V 0.2A Automotive 2-Pin SOD-123?,ON	MMSD103T1G	ON	sod-123	D15	1.	0.03	
52	2070100018	SS14-E3/61T	Diode,Schottky, 40V,1A,SMD,DO-214AC(SMA),Vishay	SS14-E3/61T	Vishay	SMA	D19	1.	0.03	
53	2070400001	17-21/BHC-AN1P2/3T	LED,Brilliant Blue,Water Clear,20mA,SM D,0805,Everlight	Blue	Everlight	LED0805	D23,D24,D25,D26	4.	0.05	
54	2070400003	17-21SURC/S530A3/TR8	LED,Brilliant Red,Water Clear,20mA,SM D,0805,Everlight	Red	Everlight	LED0805	D3	1.	0.05	

55	2010300011	RT9013-12PB	IC,LDO,500mA, 250mV@150mA, 1.2V,SMD,SOT23-5,Richtek	RT9013-12PB	Richtek	SOT23-5	MN1	1.	0	
56	2010300012	RT9013-18GB	IC,LDO,500mA, 250mV@150mA, 1.8V,SMD,SOT23-5,Richtek	RT9013-18GB	Richtek	SOT23-5	MN2	1.	0	
57	2070300003	FDT434P	Mosfet,P- Channe,20V.,6 A. SOT- 223?,Fairchild	FDT434P	Fairchild	SOT223-4	Q1	1.	0.03	
58	2010500007	SN74LVC1G07DCKR	IC,1-Bit Buffer/Driver With Open- Drain Output,1.65- 5.5V,SMD,SC70-5,TI	SN74LVC1G07DC KR	TI	SC70-5	U1,U14	2.	0	
59	2010300026	TPS65218B1RSLT	IC,Single-Chip PMIC for ARM? Cortex?-A8/A9 SOCs and FPGA,SMD,QFN48,TI	TPS65218B1RSLT	TI	QFN48-0_4	U2	1.	0	
60	2010200011	MT41K128M16JT-125	IC,2Gb(128Mbx 16) DDR3 SDRAM,Commercial,SMD,FBGA96,Mircon	MT41K128M16JT- 125	Mircon	FBGA96	U5,U6	2.	0	
61	2010300022	TPS51200DRCTG4	IC,A sink/source Double Data Rate (DDR) termination regulator,SMD, QFN10,TI	TPS51200DRCTG4	TI	QFN10	U7	1.	0	
62	2010200042	CAT24C256WI-GT3	IC,256K Bit IIC EEPROM,SMD, SOIC8,ON	CAT24C256WI- GT3	ON	SO8	U10	1.	0	



63	2010700012	SII9022ACNU	IC,RGB to HDMI Transmitter,SM D,QFN72,Silicon	SII9022ACNU	Silicon	QFN72	U11	1.	0	
64	2010500008	SN74LVC1G08DBVR	IC,Single 2-Input Positive-AND Gate,SMD,SOT 23-5,TI	SN74LVC1G08DBVR	TI	SOT23-5	U12	1.	0	
65	2011400003	TPD12S016PWR	IC,HDMI Companion Chip with I 2C Level Shifting Buffer, 12 Channel ESD Protection, and Current-Limit Load Switch,SMD,SOT23-5,TI	TPD12S016PWR	TI	tssop24	U13	1.	0	
66	2010700007	KSZ9031RNXCA	IC,Ethernet Physical Layer Transceiver,10/100/1000M,RGMII,Commercial ,SMD,QFN48,Micrel	KSZ9031RNXCA	Micrel	QFN48	U15	1.	0	
67	2011400002	SRV05-4HTG	IC,ESD Suppressor, 4-Ch 6V 10A 30KV SOT23-6,Littelfuse	SRV05-4HTG	Littelfuse	SOT23-6	U16,U17	2.	0	
68	2010200038	MTFC4GACAAM-1M WT	IC,Emmc Memory ,-20 to +85C,4GB,SMD ,BGA153,Micron	MTFC4GACAAAM-1M WT	Micron	BGA153	U19	1.	0	
69	2010100010	XAM437XBZDN100	IC,AM437x Series ARM Cortex-A9 processor,SMD, BGA491,TI	XAM437XAZDN100	TI	AM437x_zdn	U20	1.	0	

70	2010200031	S25FL128SAGNFI001	IC,128M Bit,SPI NOR Flash Memory,SMD, WSON8,Span	S25FL128SAGNFI001	Span	wson8	U21	1.	0	
71	2090100004	7V24006002	Crystal,24MHz, +/- 20ppm,18pF,4Pin,3225,-40-85c,SMD	24M	TXC	3225	Y1	1.	0	
72	2090100001	9H03200031	Crystal,32.768KHz, +/- 20ppm,12.5pF, 2Pin,1532,SMD	32.768KHz	TXC	3215	Y2	1.	0	
73	2090100005	7V25000025	Crystal,25MHz, +/- 10ppm,18pF,4Pin,3225,-40-85c,SMD	25M	TXC	3225	Y4	1.	0	
74	2110100001	3131025311161	Connector,PH, Straight,Male,1x2Pin,2.54MM Pitch,PA6.0,PC 3.0,Gold Flash 3u, black,DIP,LEYCONN	1X2Pin-2_54	Leycon	DIP2	JP1,JP2	2.	0	
75	2111500001	49100500000W	Connector,DC Jack,Right Angle,3Pin,2.0MM Center Pin,Tin Plated,Black,DIP,LEYCONN	DC JACK	Leycon	CON_3_WD C001_575	J1	1.	0	
76	2110100003	3131065311161	Connector,PH, Straight,Male,1x6Pin,2.54MM Pitch,PA6.0,PC 3.0,Gold Flash 3u, black,DIP,LEYCONN	1X6Pin-2_54	Leycon	DIP6	J2	1.	0	

77	2111200003	MR01A-01211	Connector, MicroSD Card, Gold Flash, Nature , SMD,KALER	TF01A	ATOM	TF01A	J3	1.	0	
78	2110800001	44020411232W	Connector,HDMI A port,Right Angle, Female,white ,SMT,LEYCONN	HDMI	Leycon n	HDMI-19	J4	1.	0	
79	2111800002	HY911130A	Connector,RJ45 Jack with integrated magnetics and leds,Right Angle,10/100M/1000m, bottom contact,white,DIP,HANRUN	HY911130A	Hanrun	HY911130A	J5	1.	0	
80	2110700002	4312461A03LX	Connector,USB A port,x1,edge-on, white,DIP,LEYCONN	USB-A-edge-on	Leycon n	usb-a902	J6	1.	0	
81	2110700004	43455412110H	Connector,Mini USB AB port,Right Angle, white,SMT,LEYCONN	MINI USB	Leycon n	usb-b5-v1	J7	1.	0	
82	2110600001	59205042101J	FPC Connector,Right Angle,50Pin,0.5MM Pitch,Slider Type,Top Contact,2MM Height,Tin Plated, white,SMD,LEYCONN	FPC50-0_5	Leycon n	FPC50	J9	1.	0	

83	2110200002	21U220153010	Connector,FH,Straight,FAMale,2x20Pin,2.54MM Pitch,Gold Flash 3u,black,DIP,LEYCONN	2X20Pin-2_54	Leycon	sidc20x2_2_54	J10,J11	2.	0	
84	2110600005	FH12-30S-0.5SV	FPC Connector,Straight,30Pin,0.5MM Pitch Flip Vertical Type ,3.9MM Height,Tin Plated,white,SMD,HRS	FH12-30S-0.5SV	HRS	SMD_FPC_2X15-3019	J12,J13	2.	0	
85	2100500004	Rico Board_V2 PCB	8 layers PCB,blue Soldermask,white Silkscreen,Immersion gold 65*100*1.6mm	Rico Board_V2 PCB				1.	0	





