	Comment	Description SMD CHIP CAP CER DED	Designator
4	0.01uF	SMD_CHIP_CAP_CER_060 3_TO_1206	C1, C3, C3, C1
4	0.22uF	SMD CHIP CAP CER DED	C2, C4, C6. C3R
-		5_10_1100	
13	0.1uF	SMD_CHIP_CAP_CER_060	C20, C21, C24, C25, C27, C28, C29, C30
		3_TO_1206	C27, C28, C29, C30
1	68nF	820p 1kV Y5P SMD_CHIP_CAP_CER_060	C11
1	68nF		L-12
1	390nF	820p 1kV Y5P 820p 1kV Y5P	C13 C14
	180nF	SMD_CHIP_CAP_CER_060	
1	390nF	3 TO 1206	C15
1	180nF	SMD_CHIP_CAP_CER_060 3_TO_1206	C16
		SMD_CHIP_CAP_CER_120	
2	0.1uF	6	C18, C26
2	VJ0603A150FXACW1BC 470uF/10V Tant.	T405 V477 V010 475100	C22, C23 C31
1	10u 10u 1ant.	T495X477K010ATE100	C31 C33
1	1u	35V 25V	C34
2	470uF 25V		C35, C36
1	0.022uF	SMD_CHIP_CAP_CER_060 3_TO_1206	C36
1	470uF/25V		C37
		Schottky Barrier	
1	B550C-13-F	Schottky Barrier Rectifier_x000D_ , 50 V, 5 A, -55 to 150 degC, 2-Pin SMD, RoHS, Tape and Reel	D1
2	1N5819	40V 1A	D3, D4
1	DS3231 16-SOIC	SOIC, 16-Leads, Body 10.5x7.5mm (max), Pitch 1.27mm, IPC	DS1
		Medium Density	
1	RTD2-Wire-Select		H1
	H-1x2		H2, H14 H3, H4, H5, H7, H8, H9
8	H-1x3		H10. H15
2	H-1x6 H-1x4		H6, H12 H11, H13
	H-1x4	PCB terminal block	1111, 1113
2	MKDS 1,5 2-5,08	nominal current: 17.5 A,	H16, H17
-		PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5.08 mm	[,
1	LMV321RILT	Integrated Circuit	IC1
1	D Connector 9	Receptacle Assembly, 9	J1
		Position, Right Angle	
2	BLM31PG601SN1L	Chip Ferrite Bead Inductor	L1, L2
1	FB 1206 600 ohms	Chip Ferrite Bead	L3
•	100MHZ 600R 1.5A	Inductor Shielded SMD Power	-
		Inductor, 33 uH, +/-	
1	33uH 3.2A 1280	Inductor, 33 uH, +/- 20%, -40 to 125 degC, 2-Pin SMD, RoHS, Tape	L4
		2-Pin SMD, RoHS, Tape and Reel	
1	Led MH Pin - 5.5Pad - 3.3drill	Emm	LD1
3	P docmont 2Ding	MH Pin - 5.5Pad - 3.3drill Header, 2-Pin	MH1, MH2, MH3 P1, P4, P7
1	EspadinHembra ZMPT101B MODULE		P2
1	ZMPT101B MODULE	lHeader, 4-Pin	P2 P3
1	RTD PT100 RTD_Output	Header, 4-Pin Header, 2-Pin	P5 P6
1	Header 6	Header, 6-Pin	P8
1	CR2032_Holder	Header, 6-Pin CR2032_Holder	PB1
2	2N3904	NPN General Purpose Amplifier	Q1, Q2
4	220 ohm	SMD_CHIP_RESISTOR_06 03_TO_1206	D1 D2 D4 D7
4	220 ohm	03_TO_1206 SMD_CHIP_RESISTOR_06	R1, R3, R4, R5
2	10K	03 TO 1206	R2, R27
		03_TO_1206	
1	10K	03_TO_1206 SMD_CHIP_RESISTOR_12 06	R6
	1K	03_TO_1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12	R6
1 2	1K 220 ohm	03_TO_1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06	R6 R7, R33
1	1K	03_TO_1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03_TO_1206	R6
1 2	1K 220 ohm 25K	03_TO_1206 SMD_CHIP_RESISTOR_12 06 - SMD_CHIP_RESISTOR_12 06 - SMD_CHIP_RESISTOR_06 03_TO_1206 SMD_CHIP_RESISTOR_12	R6 R7, R33
1 2 4 1	1K 220 ohm 25K 25K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03_TO_1206 SMD_CHIP_RESISTOR_12 06	R6 R7, R33 R8, R10, R12, R13
1 2 4	1K 220 ohm 25K	03_TO_1206 SMD_CHIP_RESISTOR_12 06 - SMD_CHIP_RESISTOR_12 06 - SMD_CHIP_RESISTOR_06 03_TO_1206 SMD_CHIP_RESISTOR_12	R6 R7, R33 R8, R10, R12, R13
1 2 4 1	1K 220 ohm 25K 25K 2.5K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03_TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 03_TO 1206	R6 R7, R33 R8, R10, R12, R13 R9
1 2 4 1	1K 220 ohm 25K 25K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03 TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03 TO 1206 SMD_CHIP_RESISTOR_06 03 TO 1206	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3
1 2 4 1 1	1K 220 ohm 25K 25K 2.5K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_02 05 SMD_CHIP_RESISTOR_06 05 SMD_CHIP_RESISTOR_06 05 SMD_CHIP_RESISTOR_06 03 TO 1206 SMD_CHIP_RESISTOR_06 03 SMD_CHIP_RESISTOR_06 03 SMD_CHIP_RESISTOR_06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3
1 2 4 1 1 9	1K 220 ohm 25K 25K 2.5K 1L	03_TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 03_TO 1206 SMD_CHIP_RESISTOR_16 05 SMD_CHIP_RESISTOR_16 03_TO 1206 SMD_CHIP_RESISTOR_06 03_TO 1206 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3
1 2 4 1 1	1K 220 ohm 25K 25K 2.5K	03 TO 1206 SMD CHIP RESISTOR 12 06 SMD CHIP RESISTOR 12 06 SMD CHIP RESISTOR 02 06 03 TO 1206 SMD CHIP RESISTOR 06 SMD CHIP RESISTOR 06 SMD CHIP RESISTOR 06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16
1 2 4 1 1 9	1K 220 ohm 25K 25K 2.5K 1L	03.TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03.TO 1206 SMD_CHIP_RESISTOR_10 06 SMD_CHIP_RESISTOR_10 06 SMD_CHIP_RESISTOR_10 03.TO 1206 SMD_CHIP_RESISTOR_06 03.TO 1206 SMD_CHIP_RESISTOR_06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16
1 2 4 1 1 9 2 1 1 1	1K 220 ohm 25K 25K 25K 1K 100K 17.4K	03.TO 1206 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_12 06 SMD_CHIP_RESISTOR_06 03.TO 1206 SMD_CHIP_RESISTOR_10 06 SMD_CHIP_RESISTOR_10 06 SMD_CHIP_RESISTOR_10 03.TO 1206 SMD_CHIP_RESISTOR_06 03.TO 1206 SMD_CHIP_RESISTOR_06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16
1 2 4 1 1 9 2	1K 220 ohm 25K 25K 2.5K 1K 100K 17.4K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 CHIP_RESISTOR_12 06 CHIP_RESISTOR_12 06 CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_00 03_TO 1206	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17
1 2 4 1 1 9 2 1 1 1 1	1K 220 ohm 25K 25K 2 5K 1K 100K 17.4K 49.9K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 CHIP_RESISTOR_12 06 CHIP_RESISTOR_12 06 CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_00 03_TO 1206	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17
1 2 4 1 1 9 2 1 1 1 1 1	IX 220 ohm 25K 25K 2.5K IX 100K 17.4K 107K 49.9K 3.09K	03 TO 1206 SMD_CHIP_RESISTOR_12 06 CHIP_RESISTOR_12 06 CHIP_RESISTOR_12 06 CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_10 03_TO 1206 SMD_CHIP_RESISTOR_00 03_TO 1206	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17
1 2 4 1 1 9 2 1 1 1 1	1K 220 ohm 25K 25K 2 5K 1K 100K 17.4K 49.9K	03 TO 1206 SMD_CHIP_RESISTOR_12 SMD_CHIP_RESISTOR_12 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_06 SMD_CHIP_RESISTOR_106 SMD_CHIP_RESISTOR_106 SMD_CHIP_RESISTOR_106 SMD_CHIP_RESISTOR_06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17
1 2 4 1 1 9 2 1 1 1 1 1 1 1	1K 220 ohm 25K 25K 2.5K 1. 100K 17.4K 1007K 49.9K 3.09K	03.TO.1206 SMD.CHIP.RESSTOR.12 80.00 SMD.CHIP.RESSTOR.12 80.00 SMD.CHIP.RESSTOR.06	R6 R7, R33 R8, R10, R12, R13 R9 R11 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17 R18 R19 R20
1 2 4 1 1 1 1 1 1 1 1 1	IX 220 ohm 25K 25K 25K 25K 11K 100K 17.4K 107K 49.9K 3.09K 20K 100 Ohm	03. TO 1.206 SMD, CHIP, RESISTOR, 12. SMD, CHIP, RESISTOR, 12. SMD, CHIP, RESISTOR, 12. SMD, CHIP, RESISTOR, 10. SMD, CHI	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R1 R15, R16 R17 R18 R19 R20 R20
1 2 4 1 1 9 2 1 1 1 1 1 1 1	1K 220 ohm 25K 25K 2.5K 1. 100K 17.4K 1007K 49.9K 3.09K	03. TO 1.206 SMD, CHIP, RESISTOR, 12. SMD, CHIP, RESISTOR, 12. SMD, CHIP, RESISTOR, 12. SMD, CHIP, RESISTOR, 10. SMD, CHI	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R37 R15, R16 R17 R18 R19 R20 R20
1 2 4 1 1 1 2 2 1 1 1 1 1 1 2 2	IX 220 ohm 25K 25K 25K 25K 25K 20 ohm 37 ohm	03 TO 1.206  SMD, CHIP, RESSTOR, 12  SMO, CHIP, RESSTOR, 12  SMO, CHIP, RESSTOR, 12  SMO, CHIP, RESSTOR, 16  SMO, CHIP, RESSTO	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R37 R15, R16 R17 R18 R19 R20 R20
1 2 4 1 1 1 1 1 1 1 1 1	IX 220 ohm 25K 25K 25K IX 100K 17.4K 107K 49.9K 3.09K 20K 100 Ohm 2.2K	03.TO.1206 SMD.CHIP.RESSTOR.12 SMD.CHIP.RESSTOR.02 SMD.CHIP.RESSTOR.02 SMD.CHIP.RESSTOR.06 SMD.CHIP.RESSTO	R6 R7, R33 R8, R10, R12, R13 R9 R11 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17 R18 R19 R20 R21 R22 R23 R24 R25, R26 R30
1 2 4 1 1 1 1 1 1 1 2 1 1 2 2 1 2	IX 220 ohm 25K 25K 22 SK 12K 100K 17.4K 1007K 49.9K 3.09K 20K 100 Ohm 2.2K 10 Ohm 10 O	03. TO 1.206  SMD, CHIP, RESSTOR, 12  SMD, CHIP, RESSTOR, 12  SMD, CHIP, RESSTOR, 12  SMD, CHIP, RESSTOR, 16  SMD, CHIP, RESST	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R25, R34, R35, R37 R19 R19 R20 R21 R23 R25, R26 R30
1 2 4 1 1 1 1 1 1 1 1 2 1 1	IX 220 ohm 25K 25K 25K IX 100K 17.4K 107K 49.9K 3.09K 20K 100 Ohm 2.2K	03. TO 1.206 SMD CHIP, RESISTOR, 12. 85. 86. 86. 86. 86. 86. 86. 86. 86. 86. 86	R6 R7, R33 R8, R10, R12, R13 R9 R11 R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R15, R16 R17 R18 R19 R20 R21 R22 R23 R24 R25, R26 R30
1 2 4 1 1 1 1 1 1 1 2 1 1 2 2 1 2	IX 220 ohm 25K 25K 22 SK 12K 100K 17.4K 1007K 49.9K 3.09K 20K 100 Ohm 2.2K 10 Ohm 10 O	03.TO.1206 SMD.CHIP.RESSTOR.12 SMD.CHIP.RESSTOR.02 SMD.CHIP.RESSTOR.02 SMD.CHIP.RESSTOR.05 SMD.CHIP.RESSTOR.06 SMD.CHIP.RESSTO	R6 R7, R33 R8, R10, R12, R13 R9, R10, R12, R12, R24, R25, R24, R28, R32, R35, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R25, R26 R30 R34, R35 R41, R42
1 2 4 1 1 1 1 1 1 1 2 1 1 2 2 1 2	IX 220 ohm 25K 25K 22 SK 12K 100K 17.4K 1007K 49.9K 3.09K 20K 100 Ohm 2.2K 10 Ohm 10 O	03. TO 1.206  SMD, CHIP, RESISTOR, 12  SMD, CHIP, RESISTOR, 12  SMD, CHIP, RESISTOR, 12  SMD, CHIP, RESISTOR, 10  SMD, CH	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R25, R34, R35, R37 R19 R19 R20 R21 R23 R25, R26 R30
1 2 4 1 1 1 1 1 1 1 2 1 1 2 2 1 2	IX 220 ohm 25K 25K 22 SK 12K 100K 17.4K 1007K 49.9K 3.09K 20K 100 Ohm 2.2K 10 Ohm 10 O	03. TO 1.206 SMD, CHIP, RESSTOR, 12. SMD, CHIP, RESSTOR, 12. SMD, CHIP, RESSTOR, 12. SMD, CHIP, RESSTOR, 16. SMD, CHIP, RESSTO	R6 R7, R33 R8, R10, R12, R13 R9, R10, R12, R12, R24, R25, R24, R28, R32, R35, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R25, R26 R30 R34, R35 R41, R42
1 2 4 1 1 1 1 1 1 1 1 2 2 2 1 1	IX 220 ohm 255K 25K 25K 25K 25K 25K 25K 20 0hm 27.4K 100K 17.4K 49.9K 3.09K 20K 100 Ohm 2.2K 27.4K 27K 27K 27K 27K 27K 27K 27K 27K 27K 27	03. TO 1.206 SMD CHIP, RESSTOR, 12 SMD CHIP, RESSTOR, 12 SMD CHIP, RESSTOR, 12 SMD CHIP, RESSTOR, 16 SMD CHIP,	R6 R7, R33 R8, R10, R12, R13 R9, R10, R12, R13 R9, R11 R14, R22, R24, R28, R35, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R25, R26 R30 R34, R35 RA1, RA2
1 2 4 1 1 1 2 1 1 2 2 1 1 1 1 1 1 1 1 1	1K 220 ohm 25 K 220 ohm 25 K 25 K 25 K 25 K 25 K 26 K 26 K 26 K	03. TO 1.206 SMD CHIP, RESISTOR, 12. SMD CHIP, RESISTOR, 12. SMD CHIP, RESISTOR, 12. SMD CHIP, RESISTOR, 12. SMD CHIP, RESISTOR, 13. SMD CHIP, RESISTOR, 16. SMD CHIP, RESISTO	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R25, R31, R32, R36, R3 R17 R18 R19 R20 R21 R23 R21 R23 R25, R26 R30 R30 R34, R35 R41, R42
1 2 4 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1	IX 220 ohm 25K 25K 25K 25K 100K 17.4K 107K 49.9K 20K 20K 100 Ohm 2 2K 2K 2R RR 10 Ohm RAS RPI GPIO Connector	0.3 TO 1.206 SMD CHIP RESISTOR, 12 SMD CHIP RESISTOR, 12 SMD CHIP RESISTOR, 12 SMD CHIP RESISTOR, 12 SMD CHIP RESISTOR, 16 SMD CHIP	R6 R7, R33 R8, R10, R12, R13 R9 R11 R14, R22, R24, R28, R29, R31, R32, R36, R1 R17 R18 R19 R20 R21 R23 R25, R26 R30 R37 R31 R41 R41 R41 R41 R41 R41 R41 R41 R41 R4
1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IX 220 ohm 25K 220 ohm 25K 25K 25K 25K 22K 100K 17.4K 1007K 49.9K 30.9K 20K 100 ohm 2.2K 20K 100 ohm 2.2K AD\$1115IDG\$T	03 TO 1206 SMD CHIP RESISTOR 12 SMD CHIP RESISTOR 16 SMD CHIP RESISTOR 1	R6 R7, R33 R8, R10, R12, R13 R9, R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R31 R34, R35 R41, R42 R41 U1 U2 U3
1 2 4 1 1 9 2 1 1 1 1 1 2 2 2 1	IX 220 ohm 255K 220 ohm 255K 25K 25K 25K 25K 25K 25K 20 ohm 25K 25K 20 ohm 27.4K 100K 17.4K 1007K 49.9K 3.09K 20K 100 Ohm 2.2K 25K 25K 100 Ohm 2.2K 25K 100 Ohm	0.3 TO 1.206  SMD CHIP RESSTOR 1.2  SMD CHIP RESSTOR 1.6  SMD CHIP	R6 R7, R33 R8, R10, R12, R13 R9, R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R31 R34, R35 R41, R42 R41 U1 U2 U3
1 2 4 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1	1K 220 ohm 25K 25K 25K 25K 1K 100K 17.4K 107K 49.9K 20K 20K 100 Ohm 2 2K 2K 2K 2K 100 Ohm ABSS-2.5/NOPB LM385Z-2.5/NOPB ATmega328P-PU MAX3232CSE+T	0.3 TO 1.206 SMD CHIP RESISTOR 1.2 SMD CHIP RESISTOR 1.6 SMD CHIP	R6 R7, R33 R8, R10, R12, R13 R9, R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R31 R31 R41 R41 R41 R41 R41 R41 R41 R41 R41 R4
1 2 4 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1	1K 220 ohm 25K 25K 25K 25K 1K 100K 17.4K 107K 49.9K 20K 20K 100 Ohm 2 2K 2K 2K 2K 100 Ohm ABSS-2.5/NOPB LM385Z-2.5/NOPB ATmega328P-PU MAX3232CSE+T	0.3 TO 1.206  SMD CHIP RESSTOR 1.2  SMD CHIP RESSTOR 1.6  SMD CHIP	R6 R7, R33 R8, R10, R12, R13 R9, R11 R14, R22, R24, R28, R29, R31, R32, R36, R3 R17 R18 R19 R20 R21 R23 R25, R26 R30 R31 R31 R41 R41 R41 R41 R41 R41 R41 R41 R41 R4