

M5R: Resistors for NINO card in position #1					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	1000	R1	162
	2	R4	1000	R3	100
	3	R6	1000	R5	183
	4	R8	1000	R7	329
	5	R10	1000	R9	279
	6	R12	wire	R11	wire
	7	R14	1000	R13	135
	8	R16	1000	R15	510
	9	R2	1000	R1	189
	10	R4	1000	R3	635
	11	R6	1000	R5	753
	12	R8	1000	R7	765
	13	R10	1000	R9	322
	14	R12	600	R11	665
	15	R14	1000	R13	100
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #2					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	wire	R1	wire
	2	R4	600	R3	393
	3	R6	600	R5	590
	4	R8	600	R7	407
	5	R10	100	R9	152
	6	R12	600	R11	384
	7	R14	600	R13	182
	8	R16	600	R15	323
	9	R2	600	R1	822
	10	R4	600	R3	50
	11	R6	600	R5	100
	12	R8	600	R7	414
	13	R10	600	R9	527
	14	R12	600	R11	208
	15	R14	600	R13	114
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #3					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	wire	R1	wire
	2	R4	800	R3	278
	3	R6	800	R5	325
	4	R8	wire	R7	wire
	5	R10	800	R9	216
	6	R12	800	R11	313
	7	R14	800	R13	238
	8	R16	800	R15	531
	9	R2	800	R1	228
	10	R4	800	R3	169
	11	R6	100	R5	747
	12	R8	800	R7	603
	13	R10	800	R9	288
	14	R12	800	R11	100
	15	R14	800	R13	150
	16	R16	800	R15	391

M5R: Resistors for NINO card in position #4					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	600	R1	75
	2	R4	300	R3	476
	3	R6	600	R5	76
	4	R8	600	R7	228
	5	R10	600	R9	100
	6	R12	600	R11	622
	7	R14	600	R13	500
	8	R16	600	R15	300
	9	R2	600	R1	75
	10	R4	600	R3	69
	11	R6	600	R5	681
	12	R8	600	R7	594
	13	R10	wire	R9	wire
	14	R12	300	R11	786
	15	R14	600	R13	75
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #5					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	600	R1	75
	2	R4	600	R3	928
	3	R6	600	R5	913
	4	R8	600	R7	918
	5	R10	600	R9	341
	6	R12	600	R11	241
	7	R14	600	R13	218
	8	R16	600	R15	346
	9	R2	600	R1	187
	10	R4	600	R3	129
	11	R6	600	R5	75
	12	R8	600	R7	157
	13	R10	wire	R9	wire
	14	R12	600	R11	915
	15	R14	600	R13	124
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #6					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	600	R1	716
	2	R4	600	R3	323
	3	R6	100	R5	502
	4	R8	600	R7	716
	5	R10	600	R9	434
	6	R12	600	R11	242
	7	R14	600	R13	90
	8	R16	600	R15	75
	9	R2	600	R1	75
	10	R4	600	R3	358
	11	R6	600	R5	353
	12	R8	600	R7	206
	13	R10	600	R9	453
	14	R12	600	R11	258
	15	R14	wire	R13	wire
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #7					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	800	R1	214
	2	R4	800	R3	208
	3	R6	800	R5	100
	4	R8	800	R7	408
	5	R10	800	R9	100
	6	R12	800	R11	371
	7	R14	800	R13	433
	8	R16	800	R15	424
	9	R2	800	R1	582
	10	R4	800	R3	433
	11	R6	800	R5	363
	12	R8	800	R7	118
	13	R10	wire	R9	wire
	14	R12	800	R11	472
	15	R14	800	R13	357
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #8					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	600	R1	317
	2	R4	600	R3	75
	3	R6	600	R5	75
	4	R8	wire	R7	wire
	5	R10	600	R9	176
	6	R12	600	R11	129
	7	R14	600	R13	75
	8	R16	600	R15	75
	9	R2	600	R1	329
	10	R4	600	R3	218
	11	R6	600	R5	75
	12	R8	600	R7	178
	13	R10	100	R9	357
	14	R12	600	R11	141
	15	R14	600	R13	174
	16	R16	wire	R15	wire



M5R: Resistors for NINO card in position #9					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	600	R1	503
	2	R4	600	R3	282
	3	R6	600	R5	137
	4	R8	600	R7	618
	5	R10	wire	R9	wire
	6	R12	600	R11	112
	7	R14	600	R13	75
	8	R16	600	R15	162
	9	R2	600	R1	530
	10	R4	600	R3	895
	11	R6	600	R5	730
	12	R8	600	R7	649
	13	R10	600	R9	597
	14	R12	600	R11	690
	15	R14	600	R13	530
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #10					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	700	R1	140
	2	R4	wire	R3	wire
	3	R6	700	R5	50
	4	R8	700	R7	50
	5	R10	700	R9	110
	6	R12	700	R11	85
	7	R14	350	R13	325
	8	R16	700	R15	220
	9	R2	700	R1	200
	10	R4	700	R3	325
	11	R6	700	R5	385
	12	R8	700	R7	680
	13	R10	wire	R9	wire
	14	R12	700	R11	105
	15	R14	700	R13	155
	16	R16	150	R15	600

M5R: Resistors for NINO card in position #11					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	wire	R1	wire
	2	R4	600	R3	231
	3	R6	600	R5	651
	4	R8	600	R7	491
	5	R10	600	R9	225
	6	R12	300	R11	554
	7	R14	300	R13	859
	8	R16	300	R15	595
	9	R2	600	R1	75
	10	R4	600	R3	459
	11	R6	600	R5	75
	12	R8	600	R7	718
	13	R10	600	R9	238
	14	R12	wire	R11	wire
	15	R14	600	R13	193
	16	R16	600	R15	259

M5R: Resistors for NINO card in position #12					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	wire	R1	wire
	2	R4	700	R3	410
	3	R6	700	R5	50
	4	R8	700	R7	50
	5	R10	700	R9	520
	6	R12	700	R11	170
	7	R14	700	R13	50
	8	R16	700	R15	250
	9	R2	700	R1	50
	10	R4	700	R3	50
	11	R6	700	R5	50
	12	R8	700	R7	205
	13	R10	700	R9	310
	14	R12	700	R11	155
	15	R14	700	R13	250
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #13					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	300	R1	320
	2	R4	550	R3	240
	3	R6	550	R5	70
	4	R8	300	R7	340
	5	R10	550	R9	95
	6	R12	550	R11	310
	7	R14	550	R13	90
	8	R16	300	R15	360
	9	R2	550	R1	190
	10	R4	550	R3	50
	11	R6	550	R5	50
	12	R8	550	R7	560
	13	R10	wire	R9	wire
	14	R12	550	R11	95
	15	R14	550	R13	195
	16	R16	wire	R15	wire

M5R: Resistors for NINO card in position #14					
Card	Pixel	R even ( $\Omega$ )		R odd ( $\Omega$ )	
	1	R2	900	R1	50
	2	R4	900	R3	160
	3	R6	900	R5	440
	4	R8	900	R7	460
	5	R10	900	R9	50
	6	R12	wire	R11	wire
	7	R14	900	R13	350
	8	R16	550	R15	470
	9	R2	900	R1	50
	10	R4	900	R3	50
	11	R6	900	R5	50
	12	R8	900	R7	480
	13	R10	900	R9	640
	14	R12	900	R11	190
	15	R14	900	R13	95
	16	R16	wire	R15	wire