1

2

*History*

COLED1

LED1

R1

COR1

3

4

OUTG0

P1

5V

Date (d/m/y)

Version

COP1 PIR102 PIR101

Note

PILED103 PIR102

PILED103

5VR

PIR101

PLED7\_OE

NLPLED70LE PIP101

1 2

5V

29/12/2019

0.1

Init project

PILED102 PILED102

R2

COR2

PILED101 PIR202

PIR202 PIR201 PIR201

PILED101

R

OUTR0

PLED7\_LE

PIP101 PIP102

PIP102

3 4

PIP103

PIP103 PIP104 PIP104

5 6

PIP105 PIP106 PIP105 PIP106

PIC101 PIC101

C1 COC1

RB LED

NLPLED70CLK

PLED7\_CLK PIP107

7 8

PIC102 PIC102

100uF

PIP107 PIP108

NLPLED70SDI PLED7\_SDI

PIP108

AA

COLED2 LED2

9 10

PIP109 PIP1010

R3

PIP109

PIP1010

COR3

PILED203 PIR302

PIR302 PIR301

OUTG1

Header 5X2

GND

PILED203

5VR

PIR301

GND

PILED202 PILED202

R4

COR4

PILED201 PIR402

PIR402 PIR401

OUTR1

PILED201

RB LED LED3

COLED3

PIR401

R

5V

5V

U1

COU1

OUT7 12 OUT8 13 OUT9 14 OUT10 15 OUT11 16 OUT12 17 OUT13 18 OUT14 19 OUT15 20 OE 21 SDO 22 R-EXT 23 VDD 24

R6 COR6

OUTG2

PIC201 PIC201

GND

PLED7\_SDI

1

PIU101

PIU101 2

PIU102

GND SDI

PIU1024 PIU1024

R5R COR5

GND

PILED303 PIR602

PIR602 PIR601 PIR601

PIU102

PIU1023 PIR502

PIU1023

PIR502 PIR501

PILED303

C2

PLED7\_CLK

3

PIR501

5VR

COC2

PIU103 PIU103

CLK

PIU1022

PILED302 PILED302

R7 COR7

OUTR2

PIC202

PIU1022

C

PLED7\_LE PLED7\_OE

4

PILED301 PIR702

PIR702 PIR701

PIC202

PIU104 PIU104

LE

PIU1021 PIU1021

PILED301

PIR701

PIU105NLOUTG3

R

OUTG3

5

PIU105

OUT0

PIU1020

RB LED

PIU106NLOUTR3

PIU1020

OUTR3

6

PIU106

OUT1

PIU1019

GND

PIU107NLOUTG2

PIU1019

COLED4 LED4

OUTG2

7

PIU107

OUT2

PIU1018

PIU108NLOUTR2

PIU1018

R8 COR8

OUTG3

OUTR2 OUTG1

8

PIU108 9

OUT3

PIU1017 PIU1017

PILED403 PIR802

PIR802 PIR801

PIU109NLOUTG1 PIU109

OUT4

PIU1016 PIU1016

PILED403

PIR801

PIU1010NLOUTR1

5VR

OUTR1

OUT5 10 PIU1010

PIU1015

PILED402 PILED402

R9 COR9

OUTR3

PIU1011NLOUTG0

PIU1015

PIU1014NLOUTR4

PILED401 PIR902

PIR902 PIR901

OUTG0

11

PIU1011

OUT6

OUTR4

PIU1014

PILED401

R

PIR901

PIU1012NLOUTR0 OUTR0

PIU1013NLOUTG4 OUTG4

BB

RB LED

LED5

COLED5

R10

COR10

PIU1012 PIU1013

MBI5026GP

SSOP24

OUTG4

PILED503 PIR1002

PIR1002 PIR1001

PILED503

5VR

PIR1001

PILED502 PILED502

R11

COR11

PILED501 PIR1102

PIR1102 PIR1101

OUTR4

5V

PILED501

RB LED

PIR1101

R

5V

U2

COU2

OUT7 12 OUT8 13 OUT9 14 OUT10 15 OUT11 16 OUT12 17 OUT13 18 OUT14 19 OUT15 20 OE 21 SDO 22 R-EXT 23 VDD 24

GND

1

PIU201

PIU201

PIU202NLSDO0R

GND

PIU2024 PIU2024

R12R COR12

COLED6 LED6

PIC301 PIC301

SDO\_R

2

PIU202

SDI

PIU2023 PIR1202

GND

C3

PLED7\_CLK

3

PIU2023

PIR1202 PIR1201 PIR1201

R13 COR13

OUTG5

COC3 C

PIU203 PIU203

CLK

PIU2022

PIU2022

PIU2021NLPLED70OE

PLED7\_LE PLED7\_OE

4

PIC302

PILED603 PIR1302

PIR1302 PIR1301

PIC302

PIU204 PIU204

LE

PIU2021

PILED603

PIR1301

OUTG8

5

5VR

PIU205NLOUTG8 PIU205

OUT0

PIU2020

PILED602 PILED602

R14 COR14

OUTR5

PIU206NLOUTR8

PIU2020

PILED601 PIR1402

PIR1402 PIR1401

OUTR8

6

PIU206

OUT1

PIU2019 PIU2019

PILED601

PIR1401

GND

PIU207NLOUTG7

R

OUTG7

7

PIU207

OUT2

PIU2018

RB LED

PIU208NLOUTR7

PIU2018

OUTR7

8

PIU208

OUT3

PIU2017

PIU209NLOUTG6

PIU2017

LED7

OUTG6

9

PIU209

OUT4

PIU2016

COLED7

OUTR6

OUT5 10

PIU2016

R15

PIU2010NLOUTR6 PIU2010

PIU2015

COR15

OUTG6

OUTG5

11

PIU2015

OUTR9

PILED703 PIR1502

PIU2011NLOUTG5 PIR1501  PIU2011

OUT6

PIU2014NLOUTR9 PIU2014

PIR1502 PIR1501

PILED703

5VR

PIU2012NLOUTR5 OUTR5

PIU2013NLOUTG9 OUTG9

CC

PILED702 PILED702

R16

COR16

PILED701 PIR1602

PIR1602 PIR1601

OUTR6

PIU2012 PIU2013

PILED701

RB LED LED8

COLED8

PIR1601

R

MBI5026GP SSOP24

R17

COR17

PILED803 PIR1702

PIR1702 PIR1701

OUTG7

PILED803

5VR

PIR1701

PILED802 PILED802

R18

COR18

PILED801 PIR1802

PIR1802 PIR1801

OUTR7

PILED801

RB LED LED9

COLED9

PIR1801

R

R19

COR19

PILED903 PIR1902

PIR1902 PIR1901

OUTG8

PILED903

5VR

PIR1901

PILED902 PILED902

R20

COR20

PILED901 PIR2002

PIR2002 PIR2001

OUTR8

PILED901

RB LED LED10 COLED10

PIR2001

R

DD R21

COR21

PILED1003 PIR2102

PIR2102 PIR2101

OUTG9

PILED1003

5VR

PIR2101

Title

***eBox\_LED***

PILED1002 PILED1002

R22

COR22

PILED1001 PIR2202

PIR2202 PIR2201

OUTR9

NPNLab

PILED1001

RB LED

PIR2201

R

A4

Size: Number:

1 0.1 Revision:

PIH101

PIH101 PIH201 PIH301 PIH401

Date:

29/12/2019 9:02:56 PM

Time: Sheet of

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PIH201

PIH301

PIH401

H1 H2 H3 H4

1

COH3

COH4

COH1

COH2

File:

2

3

eBox\_LED.SchDoc

*\**

4

COH1

PAH101

COU1

PAP101 PAP101

PAP102

PAP103 PAP103

PAP105

PAP107 PAP107

COP1

PAP109

PAP109

COU2

COH4

PAH401

COH2

COR2

COR1

COR4

COR3

COR7

COR6

COR9

COR8

PAU1012

PAU1012 PAU1011

PAU1011 PAU1010

PAU1010 PAU109

PAU109 PAU108

PAU108 PAU107

PAU107 PAU106

PAU106 PAU105

PAU105

PAU1013

PAU1013 PAU1014

PAU1014 PAU1015 PAU1016 PAU1017 PAU1018 PAU1019 PAU1020

COR11

PAP102 PAP104 PAP104

COR10

PAP108

PAP108 PAP1010

PAP106 PAP1010 COR14

COR13

COR16

COR15

COR18

COR17

COR20

COR19

PAU2012

PAU2012 PAU2011

PAU2011 PAU2010

PAU2010 PAU209

PAU209 PAU208

PAU208 PAU207

PAU207 PAU206

PAU206 PAU205

PAU205

PAU2013

PAU2013 PAU2014

PAU2014 PAU2015 PAU2016 PAU2017 PAU2018 PAU2019 PAU2020

COR22

COR21

COH3

PAU104 PAU204

PAR201 PAR201

PAR101 PAR101

PAR601 PAR601

PAR901 PAR901

PAU104

PAU204

PAU1021 PAU2021

PAR401 PAR401

PAR301 PAR301

PAR701 PAR701

PAR801 PAR801

PAU1021

PAR1101 PAR1101

PAR1001 PAR1001

PAR1401 PAR1401

PAR1301 PAR1301

PAR1601 PAR1601

PAR1501 PAR1501

PAR1801 PAR1801

PAR1701 PAR1701

PAR2001 PAR2001

PAR1901 PAR1901

PAU2021

PAR2201 PAR2201

PAR2101 PAR2101

PAU103 PAU203

PAU103

PAU1022 PAU1022

PAU203

PAU2022

PAU1024PAC102 PAU2024  PAC101 PAC102

PAR202 PAR202

COLED1 PAR102

PAR102

COLED2

COLED3 PAR602

PAR602

COLED4 PAR902

PAR902

PAU102 PAU102

PAU1023 PAU1023

COLED5 PAR1002

PAR1002

PAC101

COLED6 PAR1402

PAR1402

COLED7

COLED8 PAR1802

COLED9

PAU202 PAU202

PAU2023 PAU2023

COLED10

PAR402 PAR402

PAR302 PAR302

PAR702 PAR702

PAR802 PAR802

PAU101

PAR1102 PAR1102

PAR1302 PAR1302

PAR1602 PAR1602

PAR1502 PAR1502

PAR1802

PAR1702 PAR1702

PAR2002 PAR2002

PAR1902 PAR1902

PAR2202 PAR2202

PAR2102 PAR2102

PAU101 PAU201

PAH201

COR5

PAU1024

COC3

COC1

PAU201

COR12

PAU2024

COC2

PAH301

PALED102 PALED202 PALED302 PALED402 PAC301 PALED502 PALED602 PALED702 PALED802 PALED902 PAC201 PALED1002 PALED201 PALED202 PALED203

PALED203

PALED701 PALED702 PALED703

PALED101 PALED102 PALED103

PALED701

PALED703

PALED901 PALED902 PALED903

PALED101

PALED103

PALED201

PALED301

PALED301 PALED302 PALED303 PALED303

PALED401

PALED401 PALED402 PALED403 PALED403

PALED501

PALED501 PALED502 PALED503 PALED503

PALED601

PALED601 PALED602 PALED603 PALED603

PALED801 PALED802 PALED803

PALED801

PALED803

PALED901

PALED903

PALED1001 PALED1002 PALED1003

PAR502 PAR502

PAC301 PAC302

PAR1202 PAR1202

PAC201

PALED1001

PALED1003

PAC302 PAC202 PAC202

PAR501

PAR501 PAR1201 PAR1201

COH1

PAH101

COU1

PAP101 PAP101

PAP102

PAP103 PAP103

PAP105

PAP107 PAP107

COP1

PAP109

PAP109

COU2

COH4

PAH401

COH2

COR2

COR1

COR4

COR3

COR7

COR6

COR9

COR8

PAU1012

PAU1012 PAU1011

PAU1011 PAU1010

PAU1010 PAU109

PAU109 PAU108

PAU108 PAU107

PAU107 PAU106

PAU106 PAU105

PAU105

PAU1013

PAU1013 PAU1014

PAU1014 PAU1015 PAU1016 PAU1017 PAU1018 PAU1019 PAU1020

COR11

PAP102 PAP104 PAP104

COR10

PAP108

PAP108 PAP1010

PAP106 PAP1010 COR14

COR13

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COR20

COR19

PAU2012

PAU2012 PAU2011

PAU2011 PAU2010

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PAU208 PAU207

PAU207 PAU206

PAU206 PAU205

PAU205

PAU2013

PAU2013 PAU2014

PAU2014 PAU2015 PAU2016 PAU2017 PAU2018 PAU2019 PAU2020

COR22

COR21

COH3

PAU104 PAU204

PAR201 PAR201

PAR101 PAR101

PAR601 PAR601

PAR901 PAR901

PAU104

PAU204

PAU1021 PAU2021

PAR401 PAR401

PAR301 PAR301

PAR701 PAR701

PAR801 PAR801

PAU1021

PAR1101 PAR1101

PAR1001 PAR1001

PAR1401 PAR1401

PAR1301 PAR1301

PAR1601 PAR1601

PAR1501 PAR1501

PAR1801 PAR1801

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PAR2001 PAR2001

PAR1901 PAR1901

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PAU1024

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COC1

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COC2

PAH301

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PALED701

PALED703

PALED901 PALED902 PALED903

PALED101

PALED103

PALED201

PALED301

PALED301 PALED302 PALED303 PALED303

PALED401

PALED401 PALED402 PALED403 PALED403

PALED501

PALED501 PALED502 PALED503 PALED503

PALED601

PALED601 PALED602 PALED603 PALED603

PALED801 PALED802 PALED803

PALED801

PALED803

PALED901

PALED903

PALED1001 PALED1002 PALED1003

PAR502 PAR502

PAC301 PAC302

PAR1202 PAR1202

PAC201

PALED1001

PALED1003

PAC302 PAC202 PAC202

PAR501

PAR501 PAR1201 PAR1201