A

U38
PCA9564PW

Pin	Signal		Signal	Pin
1	D0		VDD	20
2	D1		SDA	19
3	D2		SCL	18
4	D3		RST	17
5	D4		INT	16
6	D5		A1	15
7	D6		A0	14
8	D7		CE	13
9	DNU		RD	12
10	VSS		WR	11

DB0 → D0
DB1 → D1
DB2 → D2
DB3 → D3
DB4 → D4
DB5 → D5
DB6 → D6
DB7 → D7

SDA
SCL
I2CRST
ADD1
ADD0
I2CCE
I2CRD
I2CWR

VDD

U39
PCA9516PW

Pin	Signal		Signal	Pin
1	SCL0		VCC	16
2	SDA0		EN4	15
3	SCL1		SDA4	14
4	SDA1		SCL4	13
5	EN1		EN3	12
6	SCL2		SDA3	11
7	SDA2		SCL3	10
8	GND		EN2	9

SCL
SDA
SCL0
SDA0
I2CEN0
SCL1
SDA1
I2CEN1
VDD

U40
DS2482-800

Pin	Signal		Signal	Pin
1	IO3		IO2	16
2	SCL		IO1	15
3	SDA		IO0	14
4	VDD		GND	13
5	NC		IO4	12
6	AD2		IO5	11
7	AD1		IO6	10
8	AD0		IO7	9

IW3
SCL1
SDA1
IW2
IW1
IW0
VDD

R82 100 IW0 → IOWIRE0
R83 100 IW1 → IOWIRE1
R84 100 IW2 → IOWIRE2
R85 100 IW3 → IOWIRE3

VDD

R86 1K2 — SCL
R87 1K2 — SCL0
R88 1K2 — SCL1

R89 1K2 — SDA
R90 1K2 — SDA0
R91 1K2 — SDA1

DB[0..15]
ADD[0..17]

Title
ROS25 / I2C

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