OBJECT DETECTOR IR OBSTACLE SENSOR www.TheEngineeringProjects.com Infrared +12V Sens CONVEYOR DRIVER (O)12V OUT1 VS VSS IN1 CONVE OUT2 IN2 EN1 EN2 IN3 OUT3 O 14 OUT4 IN4 0 ′⊕ PIC L293D RC0/T1OSO/T1CKI RA0/AN0 16 RC1/T1OSI/CCP2/UOE RA1/AN1 4 RC2/CCP1/P1A RA2/AN2/VREF-/CVREF 23 RA3/AN3/VREF+ RC4/D-/VM COLOR SENSOR 24 25 26 RA4/T0CKI/C1OUT/RCV RC5/D+/VP RC6/TX/CK RA5/AN4/SS/LVDIN/C2OUT VDD 14 13 RA6/OSC2/CLKO RC7/RX/DT/SDO OSC1/CLKI !OE OUT RB0/AN12/INT0/FLT0/SDI/SDA RD0/SPP0 RD1/SPP1 34 20 RB1/AN10/INT1/SCK/SCL S1 35 21 RB2/AN8/INT2/VMO RD2/SPP2 S2 36 22 RB3/AN9/CCP2/VPO RD3/SPP3 S3 37 RD4/SPP4 RB4/AN11/KBI0/CSSPP GND 38 RD5/SPP5/P1B RB5/KBI1/PGM JAW RED F BLUE FLAP 39 TCS3200 RD6/SPP6/P1C RB6/KBI2/PGC 40 ULN2003A ULN2003 ULN2003/ RB7/KBI3/PGD RD7/SPP7/P1D +5V RE0/AN5/CK1SPP RE1/AN6/CK2SPP 10 7B 6B 5B 7B 7B 7B 7B 1B 7B 6B 5B 7B 7B 7B 7B 7B 7B 6B 5B 5B 3B 1B 1B RE2/AN7/OESPP **(**1) **VUSB** RE3/MCLR/VPP - ∨DD 100k PIC18F4550 R2 WEIGHT 20 20 10 10 10 10 70 90 90 90 30 10 90 90 90 70 90 90 90 30 10 90 90 90 D1 LED-RED Sensor R1 330R 30000 Infrared (O) (O) (\mathbf{O}) www.TheEngineeringProjects.com

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