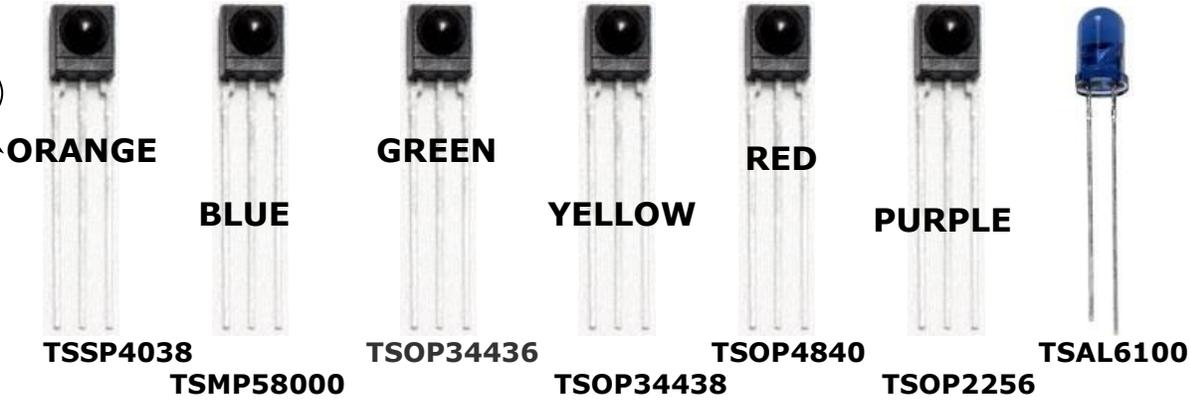


Colour Coded



TRANSISTOR, NPN, TO-92,
2N4401 QTY 2

RESISTOR, 100R, 0.5W, 5%
CF 100R QTY 4

RESISTOR, 0.5W 5% 4K7
CF 4K7 QTY 4

Product description	Mnfr Part #
IR SENSOR, SMALL FOR LIGHT BARRIER	TSSP4038
IR RECEIVER, MINICAST CODE LEARNER	TSMP58000
IR RECEIVER, SMALL AGC4, 36KHZ	TSOP34436
IR RECEIVER, SMALL AGC4, 38KHZ	TSOP34438
IR RECEIVER, 40KHZ	TSOP4840
IR RECEIVER MODULE, 45DEG	TSOP2256
IR EMITTER, 950NM, T-1 3/4, THROUGH	TSAL6100
TRANSISTOR, NPN, TO-92	2N4401
RESISTOR, 100R, 0.5W, 5%	CF 100R
RESISTOR, 0.5W 5% 4K7	CF 4K7

Notes:

1. Please ensure you check the pin-out for each IR Receiver in the data sheet available on <http://www.vishay.com/ir-receiver-modules/> . Pin-outs can vary between individual models.
2. Please ensure you also check the pin-out for TSAL6100, also from Vishay.
3. We also include free BONUS components in some kits, such as 4x100 ohm & 4x4.7K ohm resistors & 2 general purpose NPN transistor, subject to availability.
4. Many of you will know that these are required to drive the IR LED at full power to get a reasonable range. Please check the data sheet for the 2N4401 NPN transistor. See <http://www.analysir.com/blog/2013/11/22/constant-current-infrared-led-circuit/> for a constant current IR LED driver.
5. You may combine multiple resistors to achieve the desired drive current for the IR LED.
6. We reserve the right to replace any of the components above with equivalent quality parts.
7. IMPORTANT: make sure you keep a record of which component is which, because they don't have easy to read identifying marks

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E.&O.E.

IR starter Kit components