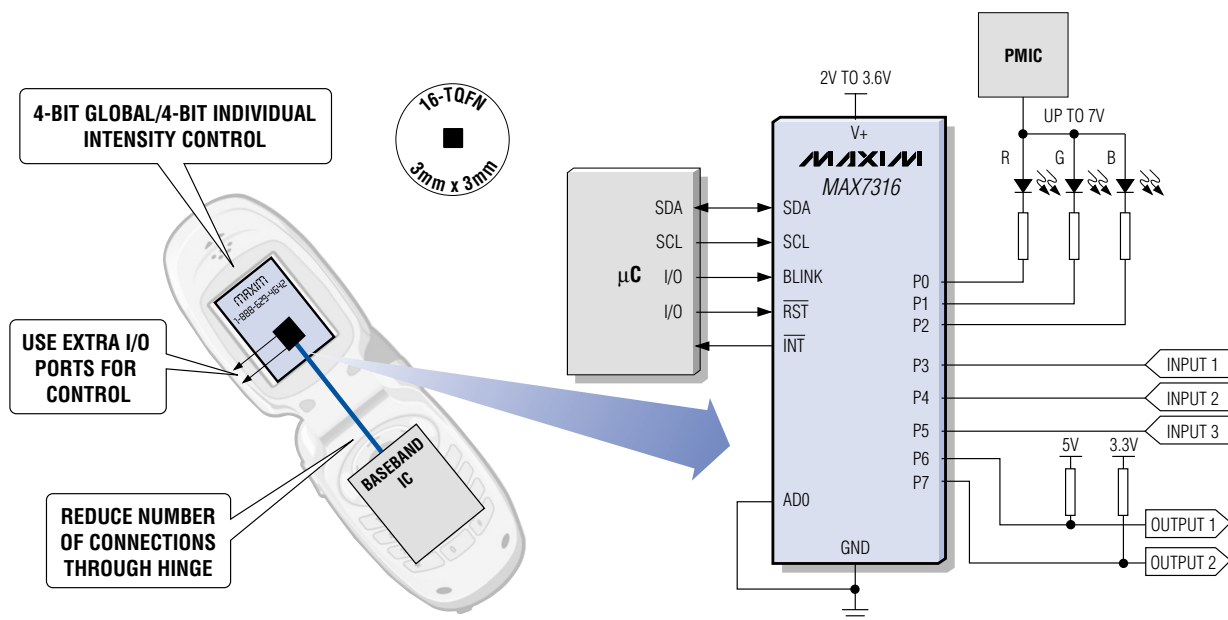


Second Sources for the Most Popular I²C Port Expanders

Simplify Your Design Using +125°C-Rated Pin-for-Pin Upgrades with PWM Control

Maxim's GPIO and I²C port expanders are available in industry-standard pinouts with superset features such as lower voltage operation, integrated 8-bit PWM control, +125°C operation, space-saving QFN packages as small as 3mm x 3mm x 0.8mm, and expanded I²C slave ID selection. Our port expanders operate at the fast 400kHz I²C-bus, as well as at 100kHz. Also, each port will sink at least 10mA, with some products capable of sinking 75mA. Maxim I/O expanders have either I²C bus-timeout circuits or I²C RST inputs to recover from I²C lockups. Maxim offers a broad choice in I/O expanders from 8 to 28 ports, and our non-obsolescence policy means you will never have to qualify another source.



Part	Compatible with	No. of I/O Ports	I ² C Bus Speed (kHz, max)	Maximum Sink Current (mA, per pin)	Maximum Standby Current (µA at +125°C)	Maxim-Only Features
MAX7315	PCA9534	8	400	50	3.3	64 slave IDs, 2.0V operation, PWM
MAX7312	PCA9535	16	400	75	12	64 slave IDs, 2.0V operation, bus timeout
MAX7313		16	400	50	3.6	64 slave IDs, 2.0V operation, PWM
MAX7311	PCA9555	16	400	75	12	64 slave IDs, 2.0V operation, bus timeout
MAX7318		16	400	75	12	64 slave IDs, 2.0V operation
MAX7310	PCA9556	8	400	45	3.9	56 slave IDs, bus timeout
MAX7300/1	—	20/28	400/SPI	10	11	16 slave IDs
MAX6956/7	—	20/28	400/SPI	10	11	16 slave IDs

See Our Entire Range of GPIO Port Expanders on the Web at:

www.maxim-ic.com/GPIO