

GPIO for Port Expansion and LED Driving

Part Number	Pullups	Power-Up Port I/O Direction (Input or Output)	Power-Up Port Output Level	Abs. Max Package Sink Current	Abs. Max Port Sink Current	Port Sink Current	Constant Current Sinking	Constant Current Adjust Per-Port	Constant Current Adjust Global	PWM Per-Port	PWM Global	Volatile Transition Detection with $\overline{\text{INT}}$	Latching Transition Detection with $\overline{\text{INT}}$	Maskable Transition Detection	Temp Range
DS4510	Any port, non-volatile	Non-volatile, by port	Non-volatile, by port			4mA	-	-	-	-	-				-40°C to +85°C
DS4520	Any port, non-volatile	Non-volatile, by port	Non-volatile, by port			12mA	-	-	-	-	-				-40°C to +85°C
MAX6956	Any input port	All Inputs	-	800mA	30mA	24mA	Any port	4 bits	Ext. resistor	-	-				-40°C to +125°C
MAX6957	Any input port	All Inputs	-	800mA	30mA	24mA	Any port	4 bits	Ext. resistor	-	-				-40°C to +125°C
MAX6964	-	All Inputs	-	350mA	55mA	50mA	-	-	-	4 bits	4 bits				-40°C to +125°C
MAX6965	-	All Inputs	-	190mA	55mA	50mA	-	-	-	4 bits	4 bits				-40°C to +125°C
MAX6966	-	All Inputs	-	280mA	24mA	20mA	Any port	1 bit	3 bits	8 bits	-				-40°C to +125°C
MAX6967	-	All Inputs	-	280mA	24mA	20mA	Any port	1 bit	3 bits	8 bits	-				-40°C to +125°C
MAX7300	Any input port	All Inputs	-	800mA	30mA	10mA	-	-	-	-	-				-40°C to +125°C
MAX7301	Any input port	All Inputs	-	800mA	30mA	10mA	-	-	-	-	-				-40°C to +125°C
MAX7310	-	All Inputs	-	180mA	50mA	45mA	-	-	-	-	-				-40°C to +125°C
MAX7311	All ports	All Inputs	-	250mA	80mA	75mA	-	-	-	-	-				-40°C to +125°C
MAX7312	-	All Inputs	-	250mA	80mA	75mA	-	-	-	-	-				-40°C to +125°C
MAX7313	-	All Inputs	-	350mA	55mA	50mA	-	4 bits	-	4 bits	4 bits				-40°C to +125°C
MAX7314	-	All Inputs	-	350mA	55mA	50mA	-	4 bits	-	4 bits	4 bits				-40°C to +125°C
MAX7315	-	All Inputs	-	190mA	55mA	50mA	-	Yes	-	4 bits	4 bits				-40°C to +125°C
MAX7316	-	All Inputs	-	190mA	55mA	50mA	-	Yes	-	4 bits	4 bits				-40°C to +125°C
MAX7317	-	All Inputs	-	200mA	24mA	20mA	-	-	-	-	-				-40°C to +125°C
MAX7318	All ports	All Inputs	-	250mA	80mA	75mA	-	-	-	-	-				-40°C to +125°C