

Product Comparison								
Last updated 3/10/06								
Product	Description	Features & Benefits						
		Voltage	Current	Step Resolution	I/O and controls	Communications	Memory	Max. Step Rate
R208	Driver	12 to 24V	0.35 to 2A	Full step, 2x, 4x, 8x	Step, dir, disable	n/a	n/a	25kHz
R101	Driver /Indexer	15 to 30V	0.2 to 2.5A	Full step, 2x, 4x, 8x	Step, dir, disable, homing input	RS485	512 Bytes	15kHz
TMCM-110	Driver/ Controller	7 to 28V	0.1 to 1.5A	Full step, 2x, 4x, 8x, 16x	2 limit switches, 1 analog or digital input, 1 open-collector output, Stallguard	RS485	16kBytes	45kHz
R256	Driver/ Controller	12 to 40V	0.1 to 2A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	2 I/O, 1 home input, 1 switch closure input	RS485	4kBytes	16MHz
R325	Driver	15 to 48V	0.3 to 3A	Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	Step, dir, disable, current reduction	n/a	n/a	2.5MHz
R325I	Driver/ Indexer	15 to 48V	0.3 to 3A	Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	Step, dir, disable, current reduction, decay modes, fault output, homing	RS485	n/a	50kHz
R325IE	Drive /Indexer /Encoder input	15 to 48V	0.3 to 3A	Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	Step, dir, disable, fault output, homing, encoder	RS485	n/a	50kHz
R701	10x Driver	24 to 80V	0.3 to 7A	10x Microstepping only	Step, dir, disable	n/a	n/a	200kHz
R710	10x Driver	24 to 80V	0.3 to 7A	10x Microstepping only	Step, dir, disable, step multipliers of 1, 2, 5, and 10 (multiplies input pulses)	n/a	n/a	200kHz
R364	3-Axis Driver/Indexer	15 to 48V	0.2 to 1.5A	Full, 2x, 4x, 8x, 16x, 32x, 64x	2 limit switches for all axis, 8 analog or digital inputs, 7 open-collector outputs, 1 TTL output	RS485, RS232	16kBytes	15.6kHz
TMCM-310	3-axis Driver/ Controller	9 to 30V	0.1 to 1.5A	Full, 2x, 4x, 8x, 16x	2 limit switches for all axis, 8 digital outputs, 8 analog or digital inputs, Stallguard	RS232, CAN	16kBytes	45kHz
Minipak	NEMA 11 with 222 chip	8 to 29V	Up to 0.8A	Full, 2x, 4x, 8x, 16x	Reference switch input for readout	IIC (RS485 if using 222CB)		5 RPS regardless of microstep
SP 17D	Motor/Driver	12 to 24V	0.35 to 2A	Full Step, 2x, 4x, 8x	Step, dir, disable	n/a	n/a	25kHz
SP 17DE	Motor/Driver /Encoder	12 to 24V	0.35 to 2A	Full Step, 2x, 4x, 8x	Step, dir, disable	n/a	n/a	25kHz
SP 17C	Motor/Driver /Controller	12 to 40V	0 to 2.0A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	2 I/O, 1 home input, 1 switch closure input	RS485	4kBytes	16.7kHz
SP 17CE	Motor/Driver Controller /Encoder	12 to 40V	0.1 to 2.0A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	2 I/O, 1 home input, 1 switch closure input, encoder	RS485	4kBytes	16.7kHz
SP 17T	NEMA 17 with TMCM-110	7 to 28V	0.1 to 1.5A	Full Step, 2x, 4x, 8x, 16x	2 limit switches, 1 analog or digital input, 1 open-collector output, Stallguard	RS485	16kBytes	45kHz
SP 23D	Motor/Driver	15 to 48V	0.3 to 3A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	Step, dir, disable, current reduction, decay modes	n/a	n/a	2.5MHz
SP 23DE	Motor/Driver /Encoder	15 to 48V	0.3 to 3A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	Step, dir, disable, current reduction, decay modes	n/a	n/a	2.5MHz
SP 23C	Motor/Driver /Controller	12 to 40V	0.3 to 3A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	4 I/O, 1 home input, 1 switch closure input	RS485	4kBytes	16.7kHz
SP 23CE	Motor/Driver /Controller /Encoder	12 to 40V	0.3 to 3A	2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x	4 I/O, 1 home input, 1 switch closure input	RS485	4kBytes	16.7kHz

Other Trinamic products (68-pin): For controller only products: TMCM-100, 301, 302. For Driver: TMCM-035. For controller/drivers: TMCM-303