

Product Index

Light
 Arrays 69, 79, 110, 123, 159
 Bars 69, 79, 82, 110-111, 123, 128
 Epipe 79-86
 Pipes 129, 141, 145-146
 Low Current 89, 100-103, 105, 137-139
 Matrix 69
 Modules and Arrays 62, 69, 79, 81, 84-85,
 110-111, 123, 151, 159, 176, 1571, 1626
 Mounts 81, 88, 91, 97, 99, 109, 111,
 114-115, 121, 124-127, 129, 131-132, 135,
 137, 140-147, 151, 157, 307, 660, 1295,
 1603, 1626, 1722, 1824, 2000
 Multi-Color 85, 88, 96-98, 100-103, 107-109,
 117-122, 125, 127, 130, 132-133, 137, 139
 Panel Mount 91, 95, 97-99, 126-127,
 131, 147, 660, 1295
 Rectangular 119, 122, 2000
 Resistor 89-91, 100-103
 RGB 56, 58, 85, 96, 119, 125, 127, 132, 135
 Sockets 143, 146
 Special Shaped 89, 107, 116,
 118-119, 122, 130, 136
 Super Bright 79-80, 82-86, 89, 102, 109,
 116-118, 131, 147, 2000
 Surface Mount 80, 82, 86, 88, 96, 100, 140,
 105, 109, 114-115, 121, 124-125,
 131-132, 135, 138, 146, 151, 157, 307,
 1350-1351, 1603, 1626, 2000
 Tapelite® 87
 Thru-Hole 89-90, 105-107, 116-119,
 122-123, 127, 130-131, 133, 136-137,
 139-140, 146, 1351, 1603
 Ultra Bright 89, 97, 139, 2000
 Xpandolite® 87
Linear ICs (See Semiconductors)
Logic (See Semiconductors)
Lubricant 1047

M

Machine-to-Machine Kit 38
 Memory (See Semiconductors)
Memory Connectors (See Connectors)
Microcontrollers (See Semiconductors)
Microphones 1809
Microprocessors (See Semiconductors)
MOSFETs (See Semiconductors)
Motors Stepper 273
Mounting Brackets 642-643, 648, 1051
Multimeter Digital 1976

N

NEMA
 Enclosures 1648, 1866, 1870-1871, 1873, 1875
 Terminal Blocks 1543
Networks
 Capacitor 596, 842
 Resistor 590-594, 596-598

O

Operational Amplifiers (See Semiconductors)
Optical Encoders 156, 166, 1614, 1617
Optical Network Devices 1844
Optical Sensors 157-159, 165-166, 1844
Optoelectronics
 Color Sensor 157, 159
 Infrared
 Detectors 164
 Diodes 119, 123, 151-152, 157, 164
 Emitters 122, 151, 164
 Encoder/Decoder 166, 292
 High Power 164, 292
 IRDA 166, 292
 Photo Transistors 119, 133, 151, 157, 164
 Receivers 122, 151, 157, 165, 166
 Remote Control Receivers 151
 Sensors 157, 165-166, 292
 Switches 157
 Transceivers 166
 Optocouplers
 Analog 148-149, 156
 Digital 149, 156
 Dual 133, 153-154, 160, 162-163
 High Gain 153
 High Isolation 148-149
 High Speed 148-149, 153, 160, 162-163
 High Voltage 148, 154, 163
 Photo Darlington 149, 153-155, 160
 Photo Transistor 133, 149, 151, 154-155,
 157-158, 160-163
 Random Phase 151, 153
 Schmitt Trigger 153, 249-251
 Standard 148, 156, 249-251
 Zero Crossing 151, 153, 158, 163
 Opto Drivers 53, 72-75, 153-154, 266, 312
 Optoisolators 157
 Photodiodes 123, 152, 157
 Photomicrosensors 1844-1845
 Photosensors 157, 159
 Solid State Relays 153
Oscillators
 Chipset 912
 Clock 297, 897, 902-903, 905, 908-909,
 913, 916-917, 919-921, 925-926,
 929, 932-933
 Harsh Environment 897
 MEMS 897, 922
 Programmer Kit 897
 Programmable 897, 909, 923, 933-934
 RF 459, 897, 937-938

Silicon 459, 897
 Surface Mount 897, 902-903, 905,
 907-909, 912-917, 919-923, 925-926,
 929, 932-933, 937-938
 Voltage Controlled 297, 902-903, 909,
 914-915, 917, 921, 932, 934, 937-938

P

Panel Meters 1976-1979
Panel Mount Indicators (See Illumination)
Peripherals 189, 237, 325, 330,
 1353-1354, 1360, 1364, 1373
Photocouplers (See Optoelectronics)
Photo Diodes 119, 149, 164
Photomicrosensors 1844-1845
PLD (See Semiconductors)
Plugs (See Connectors)
Potentiometers
 Adjustment Tool 693, 695
 Audio 659, 661-668, 675
 Carbon 663-664, 667, 672, 674, 676,
 678, 682, 686-687, 882
 Cermet 670, 674-682, 685, 687-695
 Clear Shaft 660
 Conductive Plastic 651, 654, 657-658,
 670-675, 1835
 Dials Counting 649, 651, 654, 658, 690
 Digital 276-277, 291, 295, 651, 654
 Dual Ganged 660, 662-665, 675, 1835
 Guitar 662-665, 687
 Illuminated 660, 665
 Incremental 673, 1835
 Industrial 658, 671-673, 679-680, 1835, 1838
 Joystick 657, 673
 Kits 694
 Knobs 649, 658-659, 675, 689, 1818
 Linear Motion 657, 1835, 1838
 Miniature 659, 663, 680-681, 688, 1835
 Motor Driven 665
 Multi-Turn 650-652, 654, 656, 658,
 685, 690-695, 1835
 Open Frame 657, 677-679, 681-682
 Panel Control 650-651, 658-659, 661-664,
 667, 670, 673-674
 PC Mount 659-666, 670, 673-674
 Precision 277, 649-658, 672, 690, 1838
 Precision Dials 649, 651, 654, 658, 690
 Programmable 295
 Pushbutton 651
 Rheostats 649
 Rotary 649-651, 658-666, 668, 670,
 674-675, 1835, 1838
 Sealed 658, 675, 679-681, 683,
 685, 688, 691-693, 695, 1835
 Single Turn 654-655, 658, 660, 662,
 670, 674, 676-683, 685-690, 1835
 Slide 659-660, 665-666
 Snap-In 661, 665-666
 Surface Mount 676-677, 679, 681, 683,
 685-686, 688, 690, 693-695, 882
 Trimmer 676-683, 685-695
 Wirewound 649-650, 652, 654,
 656, 658, 664, 672-673, 1835
Potting Boxes 1872, 1877
Power Connectors 1750, 1752, 1786
Power Cords DC 1108-1112
Power Entry Modules 1108-1115,
 1117-1119, 1962
Power Filters 432, 1110-1111, 1113-1115,
 1118-1121, 1911, 1962-1968
Power Inlets/Outlets 1105, 1107,
 1110-1115, 1117-1120, 1942
Power Over Ethernet Adapters 389, 1045, 1952
Power Management (See Semiconductors)
Power Protection Surge Suppressors 432, 528
Power Supplies
 AC 1950, 1958
 AC-DC 4-6, 76-77, 1912,
 1933-1938, 1940-1961
 Accessories 4, 51, 81, 110, 736, 1935, 1944,
 1952-1953, 1955, 1958-1961
 DC 4-6, 76-77, 373-374, 1933-1938,
 1940-1946, 1948-1960
 DC-DC Converters
 Isolated 1903-1925, 1956, 1958
 Non-Isolated 1908, 1920, 1926-1932
 DIN Rail 1942, 1950, 1953, 1955, 1960-1961
 Dual Output 1934-1935, 1940-1941,
 1944-1945, 1949, 1954, 1956,
 1958-1959, 1961
 External 1950, 1953, 1955, 1960-1961
 Front-End 1941, 1952, 1958
 High Power LEDs 73, 75-76, 78, 81, 1947
 Industrial 1950-1952, 1956, 1958, 1960-1961
 International 76-77, 1912,
 1933-1938, 1940-1961
 Linear 1935, 1944, 1958-1959, 1961
 Medical 1935-1937, 1940-1943, 1946-1947
 Open Frame 1933-1938, 1940-1949, 1952,
 1954, 1956-1957, 1959
 Rack Mount 1952, 1956, 1958
 Regulated 1948
 Single Output 76-77, 1933-1938,
 1940-1946, 1948-1961
 Triple Output 1934-1938, 1942-1945, 1947,
 1949, 1954, 1956, 1958-1959, 1961
 Universal Input 1940, 1942, 1945-1946
 Unregulated 1944
Probes Oscilloscope 1987
Prototyping Products 208, 1997-2000

R

Racks 1952
Receiver Modules 25, 151, 176, 294
Rectifiers (See Semiconductors)
Relays
 Automotive 1734-1735, 1779-1780
 Cadmium Free 1720
 Contactors 1742, 1744-1746, 1753, 1761
 DIN Rail 1771-1774, 1776-1778, 1783-1784
 Frequency 1706-1710, 1736, 1740, 1755
 General Purpose 274, 1707-1709,
 1725-1726, 1763-1787
 Heavy Duty 1728, 1769, 1775, 1779, 1786
 High Capacity 1725, 1773
 High Current 153, 310, 1733
 High Frequency 1706-1710, 1736, 1740, 1755
 High Isolation 1707-1708, 1723
 High Sensitivity 1725-1726
 Impulse 1786
 I/O Modules 1743, 1758-1759
 Low Signal 1650, 1712-1719
 MOSFET 1757
 PCB Mount 1515, 1706, 1712-1734,
 1738-1741, 1779-1780, 1787
 PhotoMOS 1757
 Power 274, 296, 307, 1720-1732,
 1734-1735, 1742, 1754-1755, 1760-1761,
 1763, 1766-1767, 1769, 1771, 1774-1775,
 1778-1780, 1786
 Reed 1736-1741
 Safety 1776, 1778, 1781
 Signal 1650, 1708, 1712-1719
 Sockets 1515, 1753, 1757, 1763-1770,
 1772-1774, 1776, 1781-1785
 Solid State 153, 1722, 1742-1756, 1758-1762
 Surface Mount 307, 1707-1708, 1713-1714,
 1716-1718, 1735, 1737, 1740, 1762
 Time Delay 1768, 1785
 Voltage Sensors 307, 1768, 1785
Resistors
 Adjustable 642-643
 Aluminum Housed 628, 644, 648
 Arrays 590-594, 596-597
 Bare Metal 619
 Bars 621
 Carbon Composition 621
 Carbon Film 621, 1999
 Cement 626
 Ceramic Composition 638
 Chip 590, 594, 601-607, 609-619, 629-630, 634
 Current Sensing 600-603, 608, 610-612,
 614-617, 619-620, 629-635
 Fireproof 645
 Heat Sink Mountable 628-632, 636, 644, 648
 Metal Film 613, 620, 622-624, 626-627,
 633, 645-646, 1998
 Metal Oxide 640, 645, 1998
 Metal Strip® 614-617
 Microwave 618
 Molded 596, 598, 603, 617, 621, 621,
 625, 636, 638, 641
 Mounting Hardware 636, 641-643, 648, 1999
 Networks 591-594, 596-598, 1998
 Non-Inductive 628, 631-632, 636, 638-640
 Open Air 600, 620
 Planar 629, 631, 640, 644
 Power 598, 600, 614-617, 619,
 625-626, 628-648
 Precision 277, 593, 597, 601, 606, 613,
 617-618, 620, 624, 632
 RC Networks 596
 RF 619
 Silicone Coated 625, 629, 635, 639-640, 648
 SOT-23 596
 Surface Mount 590-591, 594, 597-598,
 600-619, 628-632, 635-636, 644, 648, 1997
 Thick Film 591-592, 598, 600, 602,
 604-605, 612, 614-616, 620, 629-630
 Thin Film 591, 596-597, 600-601, 606-607,
 609, 613, 618, 636
 TO-220 630-631, 647
 Variable (See Potentiometers)
 Vitreous Enamel 625, 641-643
 Wirewound 617, 625-628, 630, 635,
 638-639, 641-642, 644-645, 648
Resonators 900, 904, 907, 924, 930, 935
RF
 Absorber Sheets 950-951, 1993
 Chokes 951, 980-981
 Connectors (See Connectors/RF)
 Transceivers 4-6, 12-13, 16, 18, 35
RFI Suppression Coils 982, 999
RFID 16, 34, 293-294
Rheostats 649
Ringers 1805

S

Semiconductors
 Accelerometers 31, 34, 273, 304, 307
 Actuators 325
 ADCs 184-185, 261-262, 277-279,
 292-293, 318-321, 323, 335
 Alternistors 521, 524
 Amplifiers 154, 209, 256, 258-260, 262,
 294, 301, 308, 311, 331, 336-346, 348-358,
 360, 370-371, 453-454, 467, 528
 Analog Switches 272-273, 288-290,
 294, 296, 298, 300-301, 308,
 311-312, 330, 332-334, 389, 528

ASSPs 297
Audio
 Amplifiers 331
 Bipolar Transistors 477-478
 ICs 261, 263, 266, 273,
 292-293, 323, 331, 335
 Battery Charger ICs 370, 378, 393, 405-406
 Bridges 23, 203, 207, 273, 299, 301,
 306-308, 325, 413, 422, 430-431,
 433, 440, 449-450, 454, 486
Bluetooth
 Adapters 6, 17, 41
 ICs 338-339
 Modules 6, 10, 13, 17, 32, 35, 41
 CAN 167, 185, 187, 249, 275, 292, 324, 383
 Card Reader 293-294, 303, 314
 Clocks 176, 256, 264, 275-276,
 294, 297, 299, 307, 317-318, 383
CODECs 261, 293, 323, 335
Companders 344
Comparators
 General Purpose 184-185, 272,
 342, 357, 388
 High Speed 388
 Low Power 300, 360, 388
 Low Voltage 388
 Micropower 388
 Voltage 272, 296, 336, 388
Controllers
 Capacitive Touch Sensor 273
 Card 209, 293, 303
 DC-DC 262, 343, 359, 384
 Hotswap 293, 310
 CD 49, 51-53, 55, 183, 203, 207, 266, 303
 Motor 183, 262, 266, 343, 405, 483
 Off-line 309
 PWM 262-263, 364, 368, 390, 394-395
 Serial Communications 224
 Switch Mode 370, 409
 USB 30, 176-177, 183, 203, 207,
 293, 303, 330, 359, 364, 379,
 Voltage 73, 203, 309, 330, 343,
 364, 370, 390
Converters
 AC-DC 300, 385
 Analog to Digital (ADCs) 261-262,
 277-279, 292-293, 318-321, 323, 335
 Boost 267
 DC-DC 262, 295, 300, 343, 359,
 363, 365, 384, 389, 406-408
 Digital to Analog (DACs) 261, 280-282,
 292-293, 300, 321-323, 335
 Frequency 337
 High Voltage 308-309, 343
 Light-To-Digital 159
 Light-To-Frequency 159
 Light-To-Voltage 159
 Sample Rate 262
 Signal 337
 Voltage 308-309, 343, 365, 384
Core Modules 33, 36-40
CPDLs 176, 243-244
Current Monitors 267, 309, 357, 370, 372
Current Reference 316, 362
DACs 261, 280-282, 292-293,
 300-301, 321-323, 335
Data Transmission
 Bluetooth 6, 17, 22, 32, 35, 41
 LVDS 272, 324
 RS232 22-23, 267, 306, 383
 RS422 22-23, 306, 383
 RS485 22-23, 269, 306
 Wireless 4-6, 12, 17-19, 21-24,
 32, 35, 38, 41-42
Decoders 13, 166, 292, 294
Development Kits (See Kits)
Diacs 520
Digital Potentiometers 276-277, 295
Diodes
 Arrays 462, 526-527, 532, 540
 Current Regulating 362, 411
 Damper 427
 ESD Protection 379, 415, 432, 532, 539-540
 Fast Recovery 422, 427, 453-454
 General Purpose 149, 412
 Infrared (See Optoelectronics)
 Laser 429
 Low Leakage 143
 Modules 151, 454
 Photo 149, 164
 PIN 164, 431
 Schottky Barrier 410-412, 414, 416-417,
 423, 432-434, 438-439, 441, 443, 455
 SCRs 412, 454, 524
 Small Signal 411-412, 416, 426-427,
 433-434, 439, 455
Stealth™ 427
Surge Protection 432, 526-527,
 532-535, 538-544
Switching 410-411, 413, 416,
 431-433, 439, 441
Trigger 524
TVS 415, 432, 441, 526-527,
 532-535, 538, 540-544
Ultra Fast Recovery 427, 453
Varactor 423, 431
Zener 411-412, 414-415, 417-419,
 425-426, 433, 435-436, 441,
 443, 455-457, 540