

K SERIES MODULES

Another very important variety of "off-the-shelf" modules is the K series module. These are used in, but not limited to control applications. The number of applications using these modules runs into the hundreds. Representative applications include:

- Computer Based Data Acquisition
- Computer Based Control Systems
- Multiprocessor Systems
- Industrial Data Acquisition and Control
- Analog-to-Digital Conversion and Multiplexer Subsystems
- Digital Input and Output Subsystems
- Gas Chromatography Systems
- N/C Tape Preparation Systems

The combination of the M and K series modules using the "building block" approach with "off-the-shelf" modules is an ideal method of interfacing to the PDP-8/E processor for control applications. For more information and detailed examples, the reader should acquire a free copy of DEC's Control Handbook containing more than 200 pages of instructive material in the field of industrial control.

appendix

SPARE PARTS LIST

PDP8E CUSTOMER RECOMMENDED SPARES

Option SP8-EA Kit (First Level) (4K)

| DEC PART NO. | DESCRIPTION |
|--------------|-------------------------|
| M8300 | Major Register |
| M8310 | Register Control |
| M8330 | Timing Module |
| G104 | Sense/Inhibit Module |
| G227 | X/Y Driver Module |
| 12-05941 | Slide Switch |
| 12-05375 | Slide Switch, Momentary |
| 12-5849-13 | Handle, Terra Cotta |
| 12-5849-12 | Handle, Amber |
| 12-9219 | Indicator Bulb |
| 70-06994 | Key Switch Assy. |
| 54-9264 | Power Supply Module |
| 54-9262 | Power Supply Module |

SP8-EA KIT

Option SP8-EC Kit (First Level) (8K)

| DEC PART NO. | DESCRIPTION |
|--------------|-------------------------|
| M8300 | Major Register |
| M8310 | Register Control |
| M8330 | Timing Module |
| G111 | Sense/Inhibit Module |
| G233 | X/Y Driver Module |
| 12-05941 | Slide Switch |
| 12-05375 | Slide Switch, Momentary |
| 12-5849-13 | Handle, Terra Cotta |
| 12-5849-12 | Handle, Amber |
| 12-9219 | Indicator Bulb |
| 70-06994 | Key Switch Assy. |
| 54-9264 | Power Supply Module |
| 54-9262 | Power Supply Module |

SP8-EC KIT

Option SP8-EB (Second Level) (4K)

| | |
|-------------|------------------|
| 10-00004 | Capacitor |
| 10-00016 | Capacitor |
| 10-00024 | Capacitor |
| 10-00067 | Capacitor |
| 10-00076 | Capacitor |
| 10-01610 | Capacitor |
| 10-03053 | Capacitor |
| 10-05306 | Capacitor |
| 10-09678 | Capacitor |
| 11-00113 | Diode D662 |
| 11-00114 | Diode IN644 |
| 11-05314 | 1N645 |
| 11-09977 | 1N749A |
| 11-09979 | 1N1185A |
| 11-10006 | 1N1201A |
| 11-10181-0 | Thyrector |
| 11-10182-0 | 1N4721 |
| 11-10183-0 | SCR (h724) |
| 11-10625 | Diode Light |
| 12-05375 | Switch Rocker |
| 12-09403-01 | Fan |
| 12-10072 | Terminal |
| 12-10073 | Connector Socket |
| 12-10198-0 | Relay KVP |
| 12-10199-0 | Thermal Relay |
| 12-10626 | Switch Slide |
| 12-10627 | Switch |
| 13-00204 | Resistor |
| 13-00229 | Resistor |
| 13-00293 | Resistor |
| 13-00317 | Resistor |
| 13-00391 | Resistor |
| 13-00432 | Resistor |
| 13-00439 | Resistor |

Option SP8-ED (Second Level) (8K)

| | |
|-------------|------------------|
| 10-00004 | Capacitor |
| 10-00016 | Capacitor |
| 10-00024 | Capacitor |
| 10-00067 | Capacitor |
| 10-00076 | Capacitor |
| 10-01610 | Capacitor |
| 10-03053 | Capacitor |
| 10-05306 | Capacitor |
| 10-09678 | Capacitor |
| 11-00113 | Diode D662 |
| 11-00114 | Diode IN644 |
| 11-05314 | 1N645 |
| 11-09977 | 1N749A |
| 11-09979 | 1N1185A |
| 11-10006 | 1N1201A |
| 11-10181-0 | Thyrector |
| 11-10182-0 | 1N4721 |
| 11-10183-0 | SCR (h724) |
| 11-10625 | Diode Light |
| 12-05375 | Switch Rocker |
| 12-09403-01 | Fan |
| 12-10072 | Terminal |
| 12-10073 | Connector Socket |
| 12-10198-0 | Relay KVP |
| 12-10199-0 | Thermal Relay |
| 12-10626 | Switch Slide |
| 12-10627 | Switch |
| 13-00204 | Resistor |
| 13-00229 | Resistor |
| 13-00293 | Resistor |
| 13-00317 | Resistor |
| 13-00391 | Resistor |
| 13-00432 | Resistor |
| 13-00439 | Resistor |

PDP8-E OPTION SP8-EB, SP8-ED (SECOND LEVEL) CONT.

| DEC PART NO. | DESCRIPTION | DEC PART NO. | DESCRIPTION |
|--------------|---------------|--------------|---------------|
| 13-00481 | Resistor | 13-00481 | Resistor |
| 13-00496 | Resistor | 13-00496 | Resistor |
| 13-01420 | Resistor | 13-01420 | Resistor |
| 13-02871 | Resistor | 13-02871 | Resistor |
| 13-02941 | Resistor | 13-02941 | Resistor |
| 13-02955 | Resistor | 13-02955 | Resistor |
| 13-02956 | Resistor | 13-02956 | Resistor |
| 13-04833 | Resistor | 13-04833 | Resistor |
| 13-04855 | Resistor | 13-04855 | Resistor |
| 13-04868 | Resistor | 13-04868 | Resistor |
| 13-05128 | Resistor | 13-05128 | Resistor |
| 13-05252 | Resistor | 13-05252 | Resistor |
| 13-09143-6 | Potentiometer | 13-09143-6 | Potentiometer |
| 13-09143-8 | Potentiometer | 13-09143-8 | Potentiometer |
| 13-10032 | Resistor | 13-10032 | Resistor |
| 13-10071 | Resistor | 12-10071 | Resistor |
| 13-10170 | Thermister | 13-10170 | Thermister |
| 15-01742 | Transistor | 15-01742 | Transistor |
| 15-03100 | Transistor | 15-03100 | Transistor |
| 15-03409-01 | MPS6534B | 15-03409-01 | MPS6534B |
| 15-05321 | 2N4258 | 15-05321 | 2N4258 |
| 15-05819 | 2N3055 Case | 15-05819 | 2N3055 Case |
| 15-09338 | 2N1613 | 15-09338 | 2N1613 |
| 15-09632 | DEC 2007 | 15-09632 | DEC 2007 |
| 15-09649 | 2N3762 | 15-09649 | 2N3762 |
| 15-10015 | DEC 4008 | 15-11102 | DEC 4011 |
| 15-01051 | 2N3054 | 15-10151 | 2N3054 |
| 16-09478 | Transformer | 16-09478 | Transformer |
| 16-09651 | Transformer | 16-09651 | Transformer |
| 16-09996 | Transformer | 16-09996 | Transformer |
| 18-09880 | Crystal | 18-09880 | Crystal |
| 18-09880-01 | Crystal | 18-09880-01 | Crystal |
| 19-05521 | DEC 1540 | 19-05521 | DEC 1540 |
| 19-05547 | DEC 7474 | 19-05547 | DEC 7474 |
| 19-05575-00 | DEC 7400 | 19-05575-00 | DEC 7400 |
| 19-05579 | DEC 7440 | 19-05579 | DEC 7440 |
| 19-05586 | DEC 74H40 | 19-05586 | DEC 74H40 |
| 19-09004 | DEC 7402 | 19-09004 | DEC 7402 |
| 19-09055 | DEC 7495 | 19-09055 | DEC 7495 |
| 19-09056 | DEC 74H00 | 19-09056 | DEC 74H00 |
| 19-09057 | DEC 74H10 | 19-09057 | DEC 74H10 |
| 19-09267 | DEC 74H11 | 19-09267 | DEC 74H11 |
| 19-09373 | DEC ML-9601 | 19-09373 | DEC ML-9601 |
| 19-09594 | DEC 82513-930 | 19-09594 | DEC 82513-930 |
| 19-09667 | DEC 74H74 | 19-09667 | DEC 74H74 |
| 19-09686 | DEC 7404 | 19-09686 | DEC 7404 |
| 19-09854 | DEC 8251-1 | 19-10046 | DEC 7442-1 |
| 19-09867 | DEC 4007 | 19-09867 | DEC 4007 |
| 19-09927 | DEC 74H87 | 19-09927 | DEC 74H87 |
| 19-09928 | DEC 7416 | 19-09928 | DEC 7416 |
| 19-09929 | DEC 7417 | 19-09929 | DEC 7417 |
| 19-09930 | DEC 7405 | 19-09930 | DEC 7405 |
| 19-09931 | DEC 74H04 | 19-09931 | DEC 74H04 |
| 19-09932 | DEC 7483 | 19-09932 | DEC 7483 |
| 19-09934 | DEC 8266 | 19-09934 | DEC 8266 |
| 19-09935 | DEC 8235 | 19-09935 | DEC 8235 |
| 19-09936 | DEC 74151 | 19-09936 | DEC 74151 |
| 19-09937 | DEC 74153 | 19-09937 | DEC 74153 |
| 19-09955 | DEC 7412 | 19-09955 | DEC 7412 |

PDP8E CUSTOMER RECOMMENDED SPARES
OPTION SP8-EB, SP8-ED (SECOND LEVEL) CONT.

| DEC PART NO. | DESCRIPTION | DEC PART NO. | DESCRIPTION |
|--------------|-----------------|--------------|------------------|
| 19-09971 | DEC 6380A | 19-09971 | DEC 6380A |
| 19-09972 | DEC 6314 | 19-09972 | DEC 6314 |
| 19-09973 | DEC 97401 | 19-09973 | DEC 97401 |
| 19-09981 | UA723C Volt Reg | 19-09981 | UA723C Volt Reg. |
| 19-10010 | DEC FSA2501 | 19-10010 | DEC FSA2501 |
| 19-10011 | DEC 7486 | 19-10011 | DEC 7486 |
| 19-10391 | DEC 5314 | 19-10391 | DEC 5314 |
| 19-10392 | DEC 5380 | 19-01392 | DEC 5380 |
| 19-10394 | DEC 5384 | 19-01394 | DEC 5384 |
| 19-10624 | DEC 74L54 | 19-10624 | DEC 74L54 |
| 90-07208 | Fuse | 19-10973 | R-C Network |
| 90-08366-0 | Fuse | 90-07208 | Fuse |
| 90-08387-0 | Fuse | 90-08386-0 | Fuse |
| 90-08388-0 | Fuse | 90-08387-0 | Fuse |
| 90-08389-0 | Fuse | 90-08388-0 | Fuse |
| 90-08390-0 | Fuse | 90-08389-0 | Fuse |
| 12-10089 | Socket | 90-08390-0 | Fuse |
| 12-10090 | Housing | 12-10089 | Socket |
| | | 12-10090 | Housing |
| | SP8-ED KIT | | SP8-EB KIT |

PDP8M CUSTOMER RECOMMENDED SPARES

| OPTION SP8-MA KIT (FIRST LEVEL) (4K) | | OPTION SP8-MC KIT (FIRST LEVEL) (8K) | |
|--------------------------------------|--------------------------|--------------------------------------|--------------------------|
| M8300 | Major Registers Module | M8300 | Major Registers Module |
| M8310 | Registers Control Module | M8310 | Registers Control Module |
| M8330 | Timing Module | M8330 | Timing Module |
| G104 | Sense/Inhibit Module | G111 | Sense/Inhibit Module |
| G227 | X/Y Drive Module | G233 | X/Y Drive Module |
| 11-10625 | Light Emitting Diode | 11-10625 | Light Emitting Diode |
| 12-10626 | Slide Switch | 12-10626 | Slide Switch |
| 12-05375 | Slide Switch, Momentary | 12-05375 | Slide Switch, Momentary |
| 12-05849-06 | Handle, Russett Orange | 12-05849-06 | Handle, Russett Orange |
| 12-05849-13 | Handle, Terra Cotta | 12-05849-13 | Handle, Terra Cotta |
| 54-09728 | Regulator Board Assy. | 54-09728 | Regulator Board Assy. |
| | SP8-MA KIT | | SP8-MC KIT |

PDP8F CUSTOMER RECOMMENDED SPARES

| OPTION SP8-FA KIT (FIRST LEVEL) (4K) | | OPTION SP8-FC KIT (FIRST LEVEL) (8K) | |
|--------------------------------------|--------------------------|--------------------------------------|--------------------------|
| M8300 | Major Registers Module | M8300 | Major Registers Module |
| M8310 | Registers Control Module | M8310 | Registers Control Module |
| M8330 | Timing Module | M8330 | Timing Module |
| G104 | Sense/Inhibit Module | G111 | Sense/Inhibit Module |
| G227 | X/Y Drive Module | G233 | X/Y Drive Module |
| 11-10625 | Light Emitting Diode | 11-10625 | Light Emitting Diode |
| 12-10626 | Slide Switch | 12-10626 | Slide Switch |
| 12-05375 | Slide Switch, Momentary | 12-05375 | Slide Switch, Momentary |
| 12-5849-12 | Handle, Amber | 12-5849-12 | Handle, Amber |
| 12-5849-13 | Handle, Terra Cotta | 12-5849-13 | Handle, Terra Cotta |
| 54-09728 | Regulator Board Assy. | 54-09728 | Regulator Board Assy. |
| | SP8-FA KIT | | SP8-FC KIT |

PDP8F—PDP8M CUSTOMER RECOMMENDED SPARES
OPTION SP8-MB, SP8-MD (SECOND LEVEL)
OPTION SP8-FB, SP8-FD (SECOND LEVEL)

| DEC PART NO. | DESCRIPTION | DEC PART NO. | DESCRIPTION |
|--------------|--------------------------|--------------|--------------------|
| 10-00004 | Capacitor | 15-10196 | 2N5302 |
| 10-00016 | Capacitor | 15-10706 | GPS—A55 or MPS—A55 |
| 10-03053 | Capacitor | 15-10765 | TRIAC MAC 11-3 |
| 10-05306 | Capacitor | 15-11102 | DEC 4011 |
| 10-09678 | Capacitor | 16-09478 | Transformer |
| 11-10324 | Solid State Lamp | 16-09651 | Transformer |
| 11-10714 | 12A Diode Bridge NSS3514 | 16-09996 | Transformer |
| 12-09355 | Switch, Micro | 18-09880 | Crystal |
| 12-05033 | Fan Boxer | 18-09880-01 | Crystal |
| 12-10043 | Switch, Miniature Rotary | 19-05521 | DEC 1540 |
| 12-10073 | Connector, 40 Terminal | 19-05547 | DEC 7474 |
| 12-10627 | Rotary Switch | 19-05586 | DEC 74H40 |
| 12-10790 | Switch, DPST N.O | 19-09004 | DEC 7402 |
| 12-10824 | Thermostat | 19-09055 | DEC 7495 |
| 12-10830-5 | Circuit breaker 5 AMP | 19-09056 | DEC 74H00 |
| 12-10830-7 | Circuit Breaker, 7 AMP | 19-09057 | DEC 74H10 |
| 13-00229 | Resistor | 19-09267 | DEC 74H11 |
| 13-00317 | Resistor | 19-09373 | DEC ML-9601 |
| 13-00439 | Resistor | 19-09594 | DEC 82513-930 |
| 13-01420 | Resistor | 19-09667 | DEC 74H74 |
| 13-02871 | Resistor | 19-09686 | DEC 7404 |
| 13-02941 | Resistor | 19-09705 | DEC 8881 |
| 13-02955 | Resistor | 19-09867 | DEC 4007 |
| 13-02956 | Resistor | 19-09927 | DEC 74H87 |
| 13-03156 | Resistor | 19-09928 | DEC 7416 |
| 13-04833 | Resistor | 19-09929 | DEC 7417 |
| 13-04855 | Resistor | 19-09930 | DEC 7405 |
| 13-04868 | Resistor | 19-09931 | DEC 74H04 |
| 13-05128 | Resistor | 19-09932 | DEC 7483 |
| 13-05252 | Resistor | 19-09934 | DEC 8266 |
| 13-05872 | Resistor | 19-09935 | DEC 8235 |
| 13-10032 | Resistor | 19-09936 | DEC 74151 |
| 13-10071 | Resistor | 19-09937 | DEC 74153 |
| 13-10709 | Resistor | 19-09955 | DEC 7412 |
| 15-03409-01 | MPS6534B or 2N3133 | 19-09971 | DEC 6380A |
| 15-05321 | 2N4258 | 19-09972 | DEC 6314A |
| 15-09338 | MPS6531 or 2N1613 | 19-09973 | DEC 97401 |
| 15-09632 | DEC 2007 | 19-10010 | DEC FSA2501 |
| 15-09649 | 2N3762 | 19-10011 | DEC 7486 |
| 19-09594 | DEC 8251 | 19-10046 | DEC 7442-1 |
| 15-10015 | DEC 4008 | 19-10973 | R-C Network |
| 15-10151 | RCA 40372 (2N3054) | 90-7221 | Fuse |
| | | 90-07226 | Fuse |
| | | 90-08389 | Fuse |

SP8-MB KIT, SP8-FB KIT

SP8-MD, SP8-FD KIT

CUSTOMER RECOMMENDED ASR-33 SPARES
OPTION LT33-B TELETYPE

| DEC PART NO. | DESCRIPTION |
|--------------|------------------|
| 29-11424 | Circuit Board |
| 29-11495 | Tape Sprocket |
| 29-11443 | Lever Universal |
| 29-11144 | Fuse |
| 29-11367 | Brush (Distrib.) |
| 29-11412 | Drive Gear |
| 29-11417 | Driven Gear |
| 29-11411 | Belt |
| 29-11376 | Shaft |
| 29-11375 | Bearings |
| 29-11374 | Bearings |
| 29-17473 | Ribbon |

LT33-B KIT

CR8-E/CM8-E RECOMMENDED SPARE PARTS
(FIRST LEVEL)

| DEC PART NUMBER | DESCRIPTION |
|-----------------|-------------|
| 19-9971 | IC DEC 6380 |
| 19-9705 | IC DEC 8881 |
| 19-9704 | IC DEC 314 |
| 19-9373 | IC DEC 9601 |
| 19-9686 | IC DEC 7404 |
| 19-9594 | IC DEC 8251 |
| 19-9050 | IC DEC 7475 |
| 19-9004 | IC DEC 7402 |
| 19-5579 | IC DEC 7450 |
| 19-5577 | IC DEC 7440 |
| 19-5576 | IC DEC 7410 |
| 19-5575 | IC DEC 7400 |
| 19-5547 | IC DEC 7474 |

SP8-CR KIT

CR8-E/CM8-E RECOMMENDED SPARE PARTS
(SECOND LEVEL)

| DEC PART NO. | DESCRIPTION |
|--------------|---|
| 16-5528 | Delay line, 30 ns |
| 10-0025 | Capacitor, 560 pF, 100V, 5% DM |
| 10-0016 | Capacitor, 100 pF, 100V, 5% DM |
| 10-0067 | Capacitor, 6.8 μ F, 35V, 20% S. TANT. |
| 10-1610 | Capacitor, 0.01 μ F, 100V, 20% DISK |
| 70-7252 | Cable, Card Reader Interface |

SP8-CS KIT

OPTION LT33-ST TOOL KIT

| DEC PART NO. | DESCRIPTION |
|--------------|--------------------|
| 29-12521 | 8 oz. Scale |
| 29-12522 | 32 oz. Scale |
| 29-12602 | 64 oz. Scale |
| 29-12520 | Set of gauges |
| 29-12523 | Offset screwdriver |
| 29-12524 | Offset screwdriver |
| 29-12525 | 8 Crochet hook |
| 29-12526 | 12 Crochet hook |
| 29-12527 | Spring hook push |
| 29-12528 | Spring hook pull |
| 29-12529 | Screw holder |
| 29-11418 | Handwheel adap |
| 29-12540 | Handwheel |
| 29-12553 | Contact adjustment |
| 29-12554 | Gauge |
| 29-12555 | Gauge |
| 29-12556 | Bending tool |
| 29-11498 | Gauge |
| 29-12558 | Extractor |
| 29-12559 | Tweezer |
| 29-12560 | Tommy Wrench |
| 29-12561 | Tommy Wrench |
| 29-12562 | Key lever remover |

LT33-ST KIT

DB8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|--------------|
| 19-05547 | IC DEC 7474 |
| 19-05575 | IC DEC 7400 |
| 19-05579 | IC DEC 7440 |
| 19-09486 | IC DEC 384 |
| 19-09594 | IC DEC 8251 |
| 19-09686 | IC DEC 7404 |
| 19-09973 | IC DEC 97401 |
| 19-09971 | IC DEC 6380 |
| 19-09972 | IC DEC 6314 |

SP8-DB KIT

SPARE MODULES

| Module Part No. | Used In Option Number | Description |
|-----------------|-----------------------|--|
| A231 | AD8-E | A/D Converter |
| AB41 | AD8-E | A/D Converter |
| A232 | AM8-E | 8-Channel Mux |
| MB43 | CR8-F (CM8-E) | Card Reader Optical Mark Card Reader |
| M8326 | DB8-E | Interprocessor Buffer |
| M882 | DK8-EA | Real-Time Clock (Line) |
| M883 | DK8-EC | Real-Time Clock (Crystal) |
| M860 | DK8-EP | Real-Time Clock (Programmable) |
| M518 | DK8-EP | Real-Time Clock (Programmable) |
| M7104 | RK8-E | DECpack Control |
| M7105 | RK8-E | DECpack Control |
| M7106 | RK8-E | DECpack Control |
| M839 | DP8-E | Synchronous Modem |
| M866 | DP8-E | Synchronous Modem |
| M863 | DR8-E | 12-Channel Buffered I/O |
| M8350 | KA8-E | Positive I/O Bus |
| M8360 | KD8-E | Data Break Interface |
| M884 | KG8-E | Redundancy Check |
| M8340 | KE8-E | Extended Arithmetic Element |
| M8341 | KE8-E | Extended Arithmetic Element |
| M849 | KK8-E | RFI Shield |
| M8300 | KK8-E | Major Registers |
| M8310 | KK8-E | Major Registers Control |
| M8320 | KK8-E | Bus Loads |
| M8330 | KK8-E | Timing Generator |
| M8335 | VT8-E | DEC Display Control |
| M8336 | VT8-E | DEC Display Control |
| M8337 | VT8-E | DEC Display Control |
| M8342 | LS8-E | Line Printer |
| M8650 | KL8-E | Teletype Control |
| M8650 YA | KL8-EX | Asynchronous Interface (EIA Levels) |
| M8650 YC | KL8-F | Asynchronous Interface (Double Buffered) |
| M8653 | KL8-M | Modem Control |
| M848 | KP8-E | Power Fail & Auto Restart |
| M8329 | LC8-E | DECwriter Control |
| M841 | LE8-E | Line Printer Control |
| M847 | MI8-E | Bootstrap Loader |
| G104 | MM8-E | Sense Inhibit |
| G111 | MM8-EJ | Sense Inhibit 8K |
| G227 | MM8-E | X-Y Drivers 4K |
| G233 | MM8-EJ | X-Y Drivers 8K |
| H220 | MM8-E | Memory Stack (4K) |
| H212 | MM8-EJ | Memory Stack (8K) |
| G105 | MP8-E | Sense Inhibit |
| M880 | MR8-EA | 256 ROM |
| M840 | PC8-E | Reader, Punch Control |
| M868 | TD8-EH (TD8-EM) | OMNIBUS DECtape Control OMNIBUS DECtape Control |
| M8321 | TM8-E | MAGtape Control |
| M8322 | TM8-E | MAGtape Control |
| M8323 | TM8-E | MAGtape Control |
| M8327 | TM8-E | MAGtape Control |
| M869 | VC8-E | Display Generator |
| M885 | VC8-E | Display Generator |
| H724(a) | P.S. | Power Supply (PDP8E) |
| M935 | OMNIBUS Connector | Connector Module |
| M842 | XY8-E | XY Plotter Control |

KG8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|---|
| 19-09704 | IC DEC 314 |
| 19-09485 | IC DEC 380 |
| 19-05575 | IC DEC 7400 |
| 19-09004 | IC DEC 7402 |
| 19-09686 | IC DEC 7404 |
| 19-05576 | IC DEC 7410 |
| 19-05580 | IC DEC 7450 |
| 19-05547 | IC DEC 7474 |
| 19-10011 | IC DEC 7486 |
| 19-09594 | IC DEC 8251 |
| 19-09615 | IC DEC 8271 |
| 19-09705 | IC DEC 8881 |
| 19-10035 | IC DEC 74197 |
| 10-00016 | Capacitor, 100 pF, 100V, 5% |
| 10-01610 | Capacitor, 0.01 μ F, 100V, 20% DISC |
| 10-00027 | Capacitor, 820 pF, 100V, 5% |
| 13-00293 | Resistor, 330 Ω , 1/4W, 10% |
| 13-01401 | Resistor, 750 Ω , 1/4W, 5% |
| 13-00271 | Resistor, 220 Ω , 1/4W, 5% |

SP8-KG KIT

KM8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|---------------------------------|
| 19-05575 | IC DEC 7400 |
| 19-09705 | IC DEC 8881 |
| 19-09615 | IC DEC 8271 |
| 19-09935 | IC DEC 8235 |
| 19-09934 | IC DEC 8266 |
| 19-09594 | IC DEC 8251 |
| 19-09667 | IC DEC 74H74 |
| 19-05547 | IC DEC 7474 |
| 19-05577 | IC DEC 7420 |
| 19-05576 | IC DEC 7410 |
| 19-09686 | IC DEC 7404 |
| 19-09056 | IC DEC 74H00 |
| 19-09486 | IC DEC 354A |
| 19-09972 | IC DEC 6314A |
| 13-00365 | Resistor 1K, 1/4W, 5% |
| 10-01610 | Capacitor 0.01 MF DISK, 20% |
| 10-05306 | Capacitor 6.8 μ F, 35V, 10% |

SP8-KM KIT

KP8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|-----------------------|
| 11-09991 | Diode, AZ1-1/4M, 6.8V |
| 11-00114 | Diode, D664 |
| 11-05275 | Diode, D672 |
| 15-03100 | Transistor, 3009B |
| 15-03409-01 | Transistor, DEC 6534B |
| 19-05547 | IC DEC 7474 |
| 19-05575 | IC DEC 7400 |
| 19-05576 | IC DEC 7410 |
| 19-09004 | IC DEC 7402 |
| 19-09050 | IC DEC 7475 |
| 19-09373 | IC DEC 9601 |
| 19-09486 | IC DEC 384 |
| 19-09705 | IC DEC 8881 |
| 19-09971 | IC DEC 6380 |
| 19-09972 | IC DEC 6314 |

SP8-KD KIT

LC8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|---|
| 19-10394 | IC DEC 5384 |
| 19-10392 | IC DEC 5380 |
| 19-10391 | IC DEC 5314 |
| 19-10046 | IC DEC 7442 |
| 19-9929 | IC DEC 7417 |
| 19-9973 | IC DEC 97401 |
| 19-9686 | IC DEC 7404 |
| 19-9056 | IC DEC 74H00 |
| 19-9004 | IC DEC 7402 |
| 19-5580 | IC DEC 7450 |
| 19-5579 | IC DEC 7440 |
| 19-5575 | IC DEC 7400 |
| 19-5547 | IC DEC 7474 |
| 10-1610 | Capacitor, 0.01 μ F, 100V, 20% Disk |
| 10-0067 | Capacitor, 6.8 μ F, 35V, 20% Tant |
| 10-0024 | Capacitor, 47 pF, 100V, 5%DM |
| 70-8417 | Signal Cable |

SP8-LC KIT

M18-E (M847) RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|-------------------------------|
| 19-10436 | IC DEC 74123 |
| 19-09004 | IC DEC 7402 |
| 19-05547 | IC DEC 7474 |
| 19-09935 | IC DEC 8235 |
| 19-10041 | IC DEC 74164 |
| 19-05575 | IC DEC 7400 |
| 19-09705 | IC DEC 8881 |
| 19-09686 | IC DEC 7404 |
| 19-09485 | IC DEC 380 |
| 19-09486 | IC DEC 384 |
| 15-03100 | Transistor DEC 3009B |
| 11-00114 | Diode D664 |
| 13-01423 | Resistor 6.8K, 1/4W, 5% |
| 10-00006 | Cap., 0.01 μ F, 100V, 20% |

SP8-MI KIT

DK8-EA/DK8-EC-(M882/M883) RECOMMENDED SPART PARTS(FIRST LEVEL)

| DEC PART NO. | DESCRIPTION |
|--------------|-------------|
| 19-9705 | DEC 8881 |
| 19-9704 | DEC 314 |
| 19-9485 | DEC 380 |
| 19-9051 | DEC 7490 |
| 19-9050 | DEC 7475 |
| 19-9004 | DEC 7402 |
| 19-5589 | DEC 7470 |
| 19-5576 | DEC 7410 |
| 19-5575 | DEC 7400 |
| 19-5547 | DEC 7474 |
| 19-9486 | DEC 384 |
| | SP8-DK KIT |

DK8-EA/DK8-EC-(M882/M883) RECOMMENDED SPARE PARTS (SECOND LEVEL)

| DEC PART NO. | DESCRIPTION |
|--------------|------------------------------------|
| 18-9880 | Crystal (M883 only) |
| 16-9651 | Pulse Transformer (M883 only) |
| 10-9678 | Capacitor 0.047 μ F, 16-15 20% |
| 10-1610 | Capacitor 0.01 μ F, 100V, 20% |
| 10-0016 | Capacitor 100 pF, 100V, 5% |
| 10-0014 | Capacitor 68 pF, 100V, 5% |
| 10-0011 | Capacitor 47 pF, 100V, 5% |
| 10-0006 | Capacitor 10 pF, 100V, 5% |
| 10-1765 | Capacitor 0.005 μ F |
| | SP8-DL KIT |

KA8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|---------------------------|
| 15-03100 | Transistor, DEC 3009B |
| 19-09705 | IC DEC 8881 |
| 19-10010 | IC DEC 25C1 |
| 19-09971 | IC DEC 6380 |
| 19-09921 | IC DEC 7417 |
| 19-09928 | IC DEC 7416 |
| 19-09686 | IC DEC 7404 |
| 19-09373 | IC DEC 9601 (M835 only) |
| 19-09486 | IC DEC 384 |
| 19-09004 | IC DEC 7402 |
| 19-05578 | IC DEC 7430 |
| 19-05577 | IC DEC 7420 |
| 10-05576 | IC DEC 7410 |
| 19-05575 | IC DEC 7400 |
| 19-05547 | IC DEC 7474 |
| 11-00114 | Diode D664 |
| 11-00113 | Diode D662 |
| BC0BJ-10 | Cable, 10 ft. |
| 19-10436 | IC DEC 74123 (M8350 only) |
| | SP8-KA KIT |

KD8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|-----------------------------------|
| 10-01610 | Capacitor 0.01 μ F, 100V, 20% |
| 11-00113 | Diode D662 |
| 19-05575 | IC DEC 7400 |
| 19-05579 | IC DEC 7440 |
| 19-09004 | IC DEC 7402 |
| 19-09057 | IC DEC 74H10 |
| 19-09267 | IC DEC 74H11 |
| 19-09971 | IC DEC 6380 |
| 19-09486 | IC DEC 384 |
| 19-09615 | IC DEC 8217 |
| 19-09667 | IC DEC 74H74 |
| 19-09686 | IC DEC 7404 |
| 19-09972 | IC DEC 6314 |
| 19-09973 | IC DEC 97401 |
| 19-09928 | IC DEC 7416 |
| 19-09934 | IC DEC 8266 |
| 19-09955 | IC DEC 7412 |
| 19-10010 | IC DEC 2501 |
| | SP8-KD KIT |

KE8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|-----------------------------------|
| 19-05585 | IC DEC 7476 |
| 19-05576 | IC DEC 7410 |
| 19-09955 | IC DEC 7412 |
| 19-10018 | IC DEC 74193 |
| 19-09934 | IC DEC 8266 |
| 19-09267 | IC DEC 74H11 |
| 19-05635 | IC DEC 74H20 |
| 19-05586 | IC DEC 74H40 |
| 19-09486 | IC DEC 384 |
| 19-09004 | IC DEC 7402 |
| 19-09667 | IC DEC 74H74 |
| 19-09059 | IC DEC 74H30 |
| 19-09973 | IC DEC 97401 |
| 19-09485 | IC DEC 380 |
| 23-001A1 | IC Encoded ROM (Drives ROM 11-18) |
| 23-002A1 | IC Encoded ROM (Drives ROM 21-28) |
| 19-09930 | IC DEC 7405 |
| 19-09705 | IC DEC 8881 |
| 19-05575 | IC DEC 7400 |
| 19-09686 | IC DEC 7404 |
| 19-09062 | IC DEC 74H53 |
| 19-10011 | IC DEC 7486 |
| 19-09935 | IC DEC 8235 |
| 13-00295 | Resistor 330 Ω 1/4W, 5% |
| 13-00365 | Resistor 1K 1/4W, 5% |
| 13-00317 | Resistor 470 Ω 1/4W, 10% |
| 10-000067 | Capacitor 6.8 μ F, 5V, 20% |
| | Solid Tantalum |
| 10-01610 | Capacitor 0.01 μ F, 100V, 20% |
| | Ceramic Disk |
| | SP8-KE KIT |

RECOMMENDED MR8-E SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|----------------------|
| 15-05321 | Transistor DEC 4258 |
| 15-03100 | Transistor DEC 3009B |
| 11-00114 | Diode D664 |
| 19-10047 | IC DEC 74145 |
| 19-10046 | IC DEC 7442 |
| 19-09705 | IC DEC 8881 |
| 19-09688 | IC DEC 846 |
| 19-09667 | IC DEC 74H74 |
| 19-09486 | IC DEC 384 |
| 19-09971 | IC DEC 6380 |
| 19-09267 | IC DEC 74H11 |
| 19-09056 | IC DEC 7402 |
| 19-05576 | IC DEC 7410 |
| 19-05575 | IC DEC 7400 |
| | SP8-MR KIT |

RECOMMENDED MP8-E SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|----------------------|
| 15-02155 | Transistor DEC 1008 |
| 15-01881 | Transistor DEC 2219 |
| 15-03100 | Transistor DEC 3009B |
| 15-10062 | Transistor DEC 3734 |
| 15-09649 | Transistor DEC 3762 |
| 15-10015 | Transistor DEC 4008 |
| 15-0532 | Transistor DEC 4258 |
| 15-03409-01 | Transistor DEC 6534B |
| 19-05575 | IC DEC 7400 |
| 19-05590 | IC DEC 7401 |
| 19-09004 | IC DEC 7402 |
| 19-09686 | IC DEC 7404 |
| 19-05580 | IC DEC 7450 |
| 19-05547 | IC DEC 7474 |
| 19-10724 | IC DEC 74180 |
| 19-09056 | IC DEC 74H00 |
| 19-09057 | IC DEC 74H10 |
| 19-09267 | IC DEC 74H11 |
| 19-05586 | IC DEC 74H40 |
| 19-09967 | IC DEC 74H74 |
| 19-09704 | IC DEC 314 |
| 19-09485 | IC DEC 380 |
| 19-09486 | IC DEC 384 |
| 19-09594 | IC DEC 8251 |
| 19-09705 | IC DEC 8881 |
| | SP8-MQ |

TD8-E RECOMMENDED SPARE PARTS (SECOND LEVEL)

| DEC PART NO. | DESCRIPTION |
|--------------|---------------------|
| 19-09004 | IC DEC 7402 |
| 19-05590 | IC DEC 7401 |
| 19-05578 | IC DEC 7430 |
| 19-05576 | IC DEC 7410 |
| 19-05575 | IC DEC 7400 |
| 19-05547 | IC DEC 7474 |
| 15-09338 | Transistor DEC 6351 |
| 11-00114 | Diode, D664 |
| 11-00113 | Diode, D662 |
| | SP8-TE KIT |

RECOMMENDED MP8-E SPARE PARTS (SECOND LEVEL)

| DEC PART NO. | DESCRIPTION |
|--------------|-------------------------------|
| 12-10043 | Rotary Switch |
| 16-09651 | Transformer 8010 |
| 16-09996 | Transformer 6501 |
| 16-09478 | Transformer 1775 |
| 16-09559 | Delay Line, 100ns |
| 13-10032 | Resistor, 16.9 ohm, 6W, 1% |
| 13-02858 | Resistor, 100 ohm, 1/8W, 1% |
| 13-02956 | Resistor, 196 ohm, 1/8W, 1% |
| 13-05114 | Resistor, 348 ohm, 1/8W, 1% |
| 13-02955 | Resistor, 750 ohm, 1/8W, 1% |
| 13-03114 | Resistor, 1K ohm, 1/8W, 1% |
| 13-02871 | Resistor, 1.21K ohm, 1/8W, 1% |
| 13-04833 | Resistor, 1.96K ohm, 1/8W, 1% |
| 13-04856 | Resistor, 4.64K ohm, 1/8W, 1% |
| 13-04885 | Resistor, 9.09K ohm, 1/8W, 1% |
| 13-02941 | Resistor, 14.7K ohm, 1/8W, 1% |
| 13-03156 | Resistor, 34.8K ohm, 1/8W, 1% |
| 13-05128 | Resistor, 56.2K ohm, 1/8W, 1% |
| 13-05252 | Resistor, 68.1K ohm 1/8W, 1% |
| 13-10071 | Thermistor, 1K, 1% |
| 11-05275 | Diode D672 |
| 11-00114 | Diode D664 |
| 11-09991 | Zener Diode 1/4M6, 8A21 |
| 19-10010 | Diode Pack DEC 2501 |
| | SP8-MP KIT |

TD8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|--------------|
| 19-10436 | IC 74123 |
| 19-09935 | IC 8235 |
| 19-09931 | IC DEC 74H04 |
| 19-09929 | IC DEC 7417 |
| 19-09712 | IC DEC 8242 |
| 19-09705 | IC DEC 8881 |
| 19-10391 | IC DEC 5314 |
| 19-09686 | IC DEC 7404 |
| 19-09615 | IC DEC 8271 |
| 19-09594 | IC DEC 8251 |
| 19-10394 | IC DEC 5384 |
| 19-10392 | IC DEC 5380 |
| 19-09054 | IC DEC 7493 |
| 19-09050 | IC DEC 7475 |
| | SP8-TD KIT |

XY8-E RECOMMENDED SPARE PARTS

| DEC PART NO. | DESCRIPTION |
|--------------|-------------------------|
| 15-03409-1 | Transistor DEC 6534B |
| 15-03100 | Transistor DEC 3009B |
| 19-09705 | IC DEC 8881 |
| 19-09704 | IC DEC 314 |
| 19-09686 | IC DEC 7404 |
| 19-09594 | IC DEC 8251 |
| 19-09373 | IC DEC 9601 |
| 19-09485 | IC DEC 380 |
| 19-05577 | IC DEC 7420 |
| 19-05576 | IC DEC 7410 |
| 19-05575 | IC DEC 7400 |
| 19-05547 | IC DEC 7474 |
| 13-000391 | Resistor 1.5K, 1/4W, 5% |
| | SP8-XY KIT |