

# SERVO DRIVE

## Cheat sheet

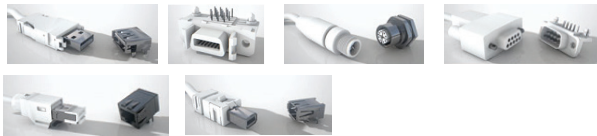
### Overview



### Servo Drive solutions

Servo drive systems are essential elements in automation control. Integrated servo systems drive digital signal processing, requiring high speed performance to ensure smooth operation and high precision motion. TE Connectivity's wide range of interconnect solutions cover the whole area for Servo Drives, from proven board to board interconnect and reliable terminal blocks, up to high speed industrial Ethernet.

## INPUT / OUTPUT



| PREFERRED PN | DESCRIPTION | FULL PARTNUMBER |
|--------------|-------------|-----------------|
|--------------|-------------|-----------------|

### A.1 MODULAR JACKS AND PLUGS

|                                                  |  |             |
|--------------------------------------------------|--|-------------|
| <b>RJ45</b>                                      |  |             |
| RJ45 IE PLUG IP20 4POS 180DEG FIELD INST.        |  | 1903526-1   |
| RJ45 IE PLUG IP20 4POS 45DEG FIELD INST.         |  | 1987236-1   |
| RJ45 IE PLUG IP20 8POS 180DEG FIELD INST.        |  | 1903527-1   |
| RJ45 IE PLUG IP20 8POS 45DEG FIELD INST.         |  | 1987236-3   |
| RJ45 CAT5 HORIZONTAL RECEPTACLE 8POS THT         |  | 1-5406299-1 |
| RJ45 CAT5 HORIZONTAL RECEPTACLE 8POS SMT         |  | 2178126-2   |
| RJ45 CAT5 VERTICAL RECEPTACLE 8POS THT           |  | 6116202-2   |
| RJ45 CAT5 VERTICAL RECEPTACLE 8POS SMT           |  | 1705549-2   |
| IP20 JACK WITH RJ45 CAT5E 8 POS; UNSHIELDED; IDC |  | 1987671-1   |
| IP20 JACK WITH RJ45 CAT5E 8 POS; SHIELDED        |  | 1987672-1   |

### A.2 MINI I/O

|                                                         |  |             |
|---------------------------------------------------------|--|-------------|
| MINI IO PLUG TYPE II FI; ISOLATION DIAMETER 1.05-1.15MM |  | 1-2201855-1 |
| MINI IO PLUG TYPE II FI; ISOLATION DIAMETER 0.93-1.05MM |  | 1-2201855-2 |
| MINI IO PLUG TYPE II SOLDER                             |  | 2040008-1   |
| MINI IO VERTICAL RECEPTACLE TYPE II SMT WITH CAP        |  | 1-1971885-2 |
| MINI IO VERTICAL RECEPTACLE TYPE II SMT WITHOUT CAP     |  | 1971885-2   |
| MINI IO HORIZONTAL RECEPTACLE TYPE II SMT T&R           |  | 2069552-2   |
| MINI IO HORIZONTAL RECEPTACLE TYPE II SMT TRAY          |  | 1981386-1   |

### A.3 CIRCULAR INDUSTRIAL

|                                                      |  |           |
|------------------------------------------------------|--|-----------|
| <b>M12XCODE</b>                                      |  |           |
| M12 X-CODE PLUG CABLE ASSY DOUBLE ENDED 1MTR...10MTR |  | 2241021   |
| M12 X-CODE REAR PANEL MOUNT WIRE RECEPTACLE          |  | 2271195-1 |
| M12 X-CODE REAR PANEL MOUNT PCB RECEPTACLE           |  | 2232331-1 |
| M12 X-CODE MALE CONNECTOR INSTALLABLE (IDC)          |  | 2120952-1 |

### A.4 DATA INTERCONNECT

|                                          |  |           |
|------------------------------------------|--|-----------|
| <b>USB 2.0</b>                           |  |           |
| USB 2.0 INDUSTRIAL PLUG                  |  | 2013798-1 |
| USB 2.0 VERTICAL RECEPTACLE TYPE A THT   |  | 1734366-1 |
| USB 2.0 HORIZONTAL RECEPTACLE TYPE A SMT |  | 5353929-1 |

### A.5 CHAMP

|                                   |  |             |
|-----------------------------------|--|-------------|
| <b>CHAMP CONNECTORS</b>           |  |             |
| 1.27MM PCB PLUG CONNECTOR         |  | 3-2232346-1 |
| 1.27MM CABLE RECEPTACLE CONNECTOR |  | 3-2232516-1 |

### A.6 D-SUB

|                                        |  |            |
|----------------------------------------|--|------------|
| <b>STANDARD BOARD MOUNT CONNECTORS</b> |  |            |
| DSUB 9POS RIGHT ANGLE PLUG THT         |  | 788792-1   |
| DSUB 9POS CABLE CONNECTOR RECEPTACLE   |  | 1-747943-5 |

### A.7 TERMINAL BLOCK

|                                                       |  |           |
|-------------------------------------------------------|--|-----------|
| <b>EUROSTYLE TERMINAL BLOCK</b>                       |  |           |
| 3.50MM FIXED TERMINAL BLOCK SIDE ENTRY SREW THT       |  | 284391-3  |
| 3.50MM PUGGABLE TERMINAL BLOCK VERTICAL HEADER THT    |  | 284514-3  |
| 3.50MM PUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT |  | 284512-3  |
| 3.50MM PUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW    |  | 284506-3  |
| 3.81MM FIXED TERMINAL BLOCK SIDE ENTRY SREW THT       |  | 284392-3  |
| 3.81MM PUGGABLE TERMINAL BLOCK VERTICAL HEADER THT    |  | 284517-3  |
| 3.81MM PUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT |  | 284513-3  |
| 3.81MM PUGGABLE TERMINAL BLOCK VERTICAL PLUG SPRING   |  | 1986720-3 |
| 5.00MM FIXED TERMINAL BLOCK SIDE ENTRY SREW THT       |  | 796683-3  |
| 5.00MM FIXED TERMINAL BLOCK SIDE ENTRY SPRING THT     |  | 1776261-3 |
| 5.00MM PUGGABLE TERMINAL BLOCK VERTICAL HEADER THT    |  | 796642-3  |
| 5.00MM PUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT |  | 796644-3  |
| 5.00MM PUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW    |  | 284040-3  |
| 5.08MM FIXED TERMINAL BLOCK SIDE ENTRY SREW THT       |  | 282841-3  |
| 5.08MM PUGGABLE TERMINAL BLOCK VERTICAL HEADER THT    |  | 796636-3  |
| 5.08MM PUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT |  | 796638-3  |
| 5.08MM PUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW    |  | 284041-3  |
| 3.50MM PUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT |  | 284512-3  |
| 3.50MM PUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW    |  | 284506-3  |
| 3.81MM FIXED TERMINAL BLOCK SIDE ENTRY SREW THT       |  | 284392-3  |
| 3.81MM PUGGABLE TERMINAL BLOCK VERTICAL HEADER THT    |  | 284517-3  |
| 3.81MM PUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT |  | 284513-3  |
| 3.81MM PUGGABLE TERMINAL BLOCK VERTICAL PLUG SPRING   |  | 1986720-3 |

## BOARD TO BOARD



| PREFERRED PN | DESCRIPTION | FULL PARTNUMBER |
|--------------|-------------|-----------------|
|--------------|-------------|-----------------|

### A.8 CARD EDGE CONNECTORS

|                                     |  |             |
|-------------------------------------|--|-------------|
| <b>TWIN LEAF</b>                    |  |             |
| 1.27MM VERTICAL RECEPTACLE SMT      |  | 1903188-8   |
| 1.27MM RIGHT-ANGLE PLUG SMT         |  | 1903187-8   |
| 3.96MM TWINLEAF EDGE CARD CONNECTOR |  | 1-5583660-0 |

### A.9 MEZZANINE CONNECTORS

|                                        |  |           |
|----------------------------------------|--|-----------|
| <b>Z-STACK</b>                         |  |           |
| 0.6MM HERMAPHRODITIC CONNECTORS SMT    |  | 1123677-1 |
| 0.6MM BOARD TO BOARD PLUG & RECEPTACLE |  | 2069389   |

### A.10 FREE HEIGHT

|                                     |  |             |
|-------------------------------------|--|-------------|
| 0.8MM BOARD TO BOARD RECEPTACLE SMT |  | 5177985-1   |
| 0.8MM BOARD TO BOARD HEADER SMT     |  | 5177984-1   |
| 0.8MM BOARD TO BOARD RECEPTACLE     |  | 2-1735482-1 |
| 0.8MM BOARD TO BOARD PLUG           |  | 5-5177986-1 |

### A.11 MICRO-STACK

|                                 |  |           |
|---------------------------------|--|-----------|
| 0.6MM RECEPTACLE SMT            |  | 6376608-1 |
| 0.6MM HEADER SMT                |  | 1554218-2 |
| 0.6MM BOARD TO BOARD PLUG       |  | 2229625-1 |
| 0.6MM BOARD TO BOARD RECEPTACLE |  | 6376608-1 |

### A.12 AMPMODU 2.54MM

|                                              |  |        |
|----------------------------------------------|--|--------|
| <b>SHROUDED HEADER</b>                       |  |        |
| 2.54MM 2ROW SHROUDED HEADER, VERTICAL THT    |  | 28038  |
| 2.54MM 2 ROW RIGHT-ANGLE SHROUDED HEADER THT |  | 280390 |

### UNSHROUDED HEADER

|                                               |  |         |
|-----------------------------------------------|--|---------|
| 2.54MM 2ROW UNSHROUDED HEADER, VERTICAL SMT   |  | 1241050 |
| 2.54MM 2ROW UNSHROUDED HEADER, VERTICAL THT   |  | 826632  |
| 2.54MM 2ROW UNSHROUDED HEADER, HORIZONTAL THT |  | 826634  |

### PCB RECEPTACLE

|                                             |  |        |
|---------------------------------------------|--|--------|
| 2.54MM 2ROW VERTICAL PCB RECEPTACLE SMT     |  | 969973 |
| 2.54MM 2ROW VERTICAL PCB RECEPTACLE THT     |  | 215315 |
| 2.54MM 2ROW HORIZONTAL PCB RECEPTACLE THT   |  | 216604 |
| 2.54MM 2ROW UNSHROUDED HEADER, VERTICAL THT |  | 828296 |

### AMPMODU 2.54X1.27MM

|                                           |  |        |
|-------------------------------------------|--|--------|
| 2.54X1.27MM SHROUDED HEADER, VERTICAL SMT |  | 147377 |
| 2.54X1.27MM PCB RECEPTACLE, VERTICAL THT  |  | 104078 |

### AMPMODU 2.00MM

|                                              |  |             |
|----------------------------------------------|--|-------------|
| <b>SHROUDED HEADER</b>                       |  |             |
| 2.00MM 2ROW SHROUDED HEADER, VERTICAL THT    |  | 1470109     |
| 2.00MM 2ROW SHROUDED HEADER, VERTICAL SMT    |  | 2041068     |
| 2.00MM 2 ROW RIGHT-ANGLE SHROUDED HEADER THT |  | 2-1734493-0 |

### UNSHROUDED HEADER

|                                               |  |         |
|-----------------------------------------------|--|---------|
| 2.00MM 2ROW UNSHROUDED HEADER, VERTICAL SMT   |  | 5084476 |
| 2.00MM 2ROW UNSHROUDED HEADER, VERTICAL THT   |  | 1734508 |
| 2.00MM 2ROW UNSHROUDED HEADER, HORIZONTAL THT |  | 1734508 |

### PCB RECEPTACLE

|                                           |  |         |
|-------------------------------------------|--|---------|
| 2.00MM 2ROW VERTICAL PCB RECEPTACLE SMT   |  | 1734606 |
| 2.00MM 2ROW VERTICAL PCB RECEPTACLE THT   |  | 1470209 |
| 2.00MM 2ROW HORIZONTAL PCB RECEPTACLE THT |  | 1734531 |

## RELAYS



A.13

### RELAY

#### INDUSTRIAL (GENERAL PURPOSE)

##### RYII series

|                   |             |
|-------------------|-------------|
| RY212012          | 5-1393224-5 |
| RY212024          | 5-1393224-8 |
| V23091-A1012-A201 | 1393236-4   |

##### SNR series

|                   |             |
|-------------------|-------------|
| V23091-A1024-A201 | 2-1393236-1 |
|-------------------|-------------|

##### Relay Package SNR

|          |             |
|----------|-------------|
| ST3P2LC4 | 3-1416100-0 |
|----------|-------------|

##### Relay Package RT

|          |             |
|----------|-------------|
| RT3S4LC4 | 4-1415073-1 |
|----------|-------------|

##### Relay Package XT

|          |             |
|----------|-------------|
| XT3S4LC4 | 4-1415540-1 |
|----------|-------------|

##### Relay Package PT

|          |           |
|----------|-----------|
| PT5L7LC4 | 1415535-9 |
|----------|-----------|

##### Interface Power Relay RT1

|          |             |
|----------|-------------|
| RT314024 | 9-1393239-8 |
|----------|-------------|

##### Interface Plug-in Relay XT

|          |           |
|----------|-----------|
| XT484LC4 | 1887212-1 |
|----------|-----------|

##### Miniature Relay PT

|          |             |
|----------|-------------|
| PT570024 | 1-1393154-2 |
|----------|-------------|

##### Multimode Relay MT

|          |             |
|----------|-------------|
| MT321024 | 7-1393091-0 |
|----------|-------------|

##### Power Relay RM 2/3/7

|          |             |
|----------|-------------|
| RM702024 | 8-1393146-5 |
|----------|-------------|

##### Power Relay RM 5/6/B 3mm

|          |           |
|----------|-----------|
| RM602024 | 1393844-4 |
|----------|-----------|

##### Power Relay RM 8 (25A)

|          |             |
|----------|-------------|
| RM809024 | 5-1393149-8 |
|----------|-------------|

A.14

### EMI/RFI FILTER



| PREFERRED PN | DESCRIPTION | FULL PARTNUMBER |
|--------------|-------------|-----------------|
|--------------|-------------|-----------------|

#### AYO SERIES

|                            |           |
|----------------------------|-----------|
| THREE PHASE EMI/RFI FILTER | 6609066-2 |
|----------------------------|-----------|

## CABLED POWER CONNECTORS



A.15

### DYNAMIC SERIES CONNECTORS

#### DYNAMIC 3100 SERIES

|                                    |            |
|------------------------------------|------------|
| 3.81MM 1ROW VERTICAL HEADER TMT    | 1-178316-2 |
| 3.81MM 1ROW RECEPTACLE HOUSING CTW | 1-178288-6 |
| 3.81MM CTW CONTACT                 | 917484-2   |

#### Dynamic 3500 series

|                                       |          |
|---------------------------------------|----------|
| 5.08MM MODULAR HORIZONTAL HEADER TMT  | 177555-2 |
| 5.08MM MODULAR RECEPTACLE HOUSING CTW | 175363-1 |
| 5.08MM CTW CONTACT                    | 917484-2 |

#### Dynamic 3950 series

|                                   |             |
|-----------------------------------|-------------|
| 7.5MM 1ROW HORIZONTAL HEADER TMT  | 1-2013519-3 |
| 7.5MM 1ROW RECEPTACLE HOUSING CTW | 1-2134249-3 |