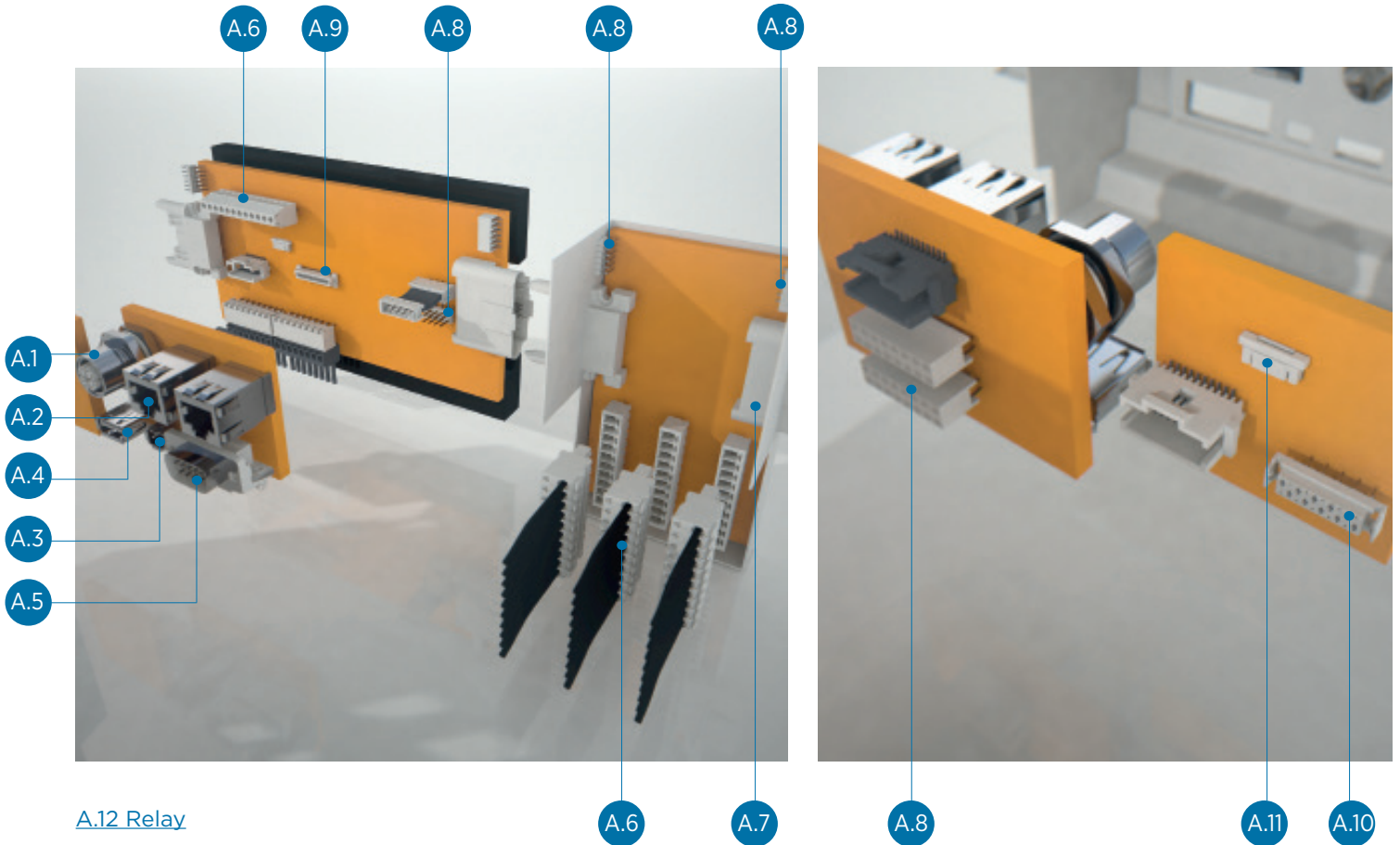


# PLC

## Programmable Logic Controller Cheat Sheet

### Overview



[A.12 Relay](#)

### Programmable Logic Controller

PLC's have always been core components of factory automation. The latest generation PLC's integrate functions like logic, motion, safety control and energy management in one platform. TE Connectivity continues to develop innovative solutions for PLC's to meet increasing accuracy and industry safety requirements.

# PLC preferred partnumber list

## Input/ Output



PREFERRED PN	DESCRIPTION	FULL PARTNUMBER
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### A.1 CIRCULAR INDUSTRIAL

#### M12 X-CODE

M12 X-CODE PLUG CABLE ASSY DOUBLE ENDED 1MTR...10MTR	2241021-1
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

#### MODULAR JACKS AND PLUGS

### A.2 RJ45

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.3 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.4 DATA INTERCONNECT

#### USB 2.0

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 D-SUB

#### STANDARD BOARD MOUNT CONNECTORS

DSUB 9POS RIGHT ANGLE PLUG THT	788792-1
DSUB 9POS CABLE CONNECTOR RECEPTACLE	1-747943-5

## Board to Board



PREFERRED PN	DESCRIPTION	FULL PARTNUMBER
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### A.6 TERMINAL BLOCK

#### EUROSTYLE TERMINAL BLOCK

3.50MM FIXED TERMINAL BLOCK SIDE ENTRY SCREW THT	284391-3
3.50MM PLUGGABLE TERMINAL BLOCK VERTICAL HEADER THT	284514-3
3.50MM PLUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT	284512-3
3.50MM PLUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW	284506-3
3.81MM FIXED TERMINAL BLOCK SIDE ENTRY SCREW THT	284392-3
3.81MM PLUGGABLE TERMINAL BLOCK VERTICAL HEADER THT	284517-3
3.81MM PLUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT	284513-3
3.81MM PLUGGABLE TERMINAL BLOCK VERTICAL PLUG SPRING	1986720-3

5.00MM FIXED TERMINAL BLOCK SIDE ENTRY SCREW THT	796683-3
5.00MM FIXED TERMINAL BLOCK SIDE ENTRY SPRING THT	1776261-3
5.00MM PLUGGABLE TERMINAL BLOCK VERTICAL HEADER THT	796642-3
5.00MM PLUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT	796644-3
5.00MM PLUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW	284040-3
5.08MM FIXED TERMINAL BLOCK SIDE ENTRY SCREW THT	282841-3
5.08MM PLUGGABLE TERMINAL BLOCK VERTICAL HEADER THT	796636-3
5.08MM PLUGGABLE TERMINAL BLOCK RIGHT ANGLE HEADER THT	796638-3
5.08MM PLUGGABLE TERMINAL BLOCK VERTICAL PLUG SCREW	284041-3

### A.7 TWO PIECE POWER CONNECTOR

#### MINIPAK HDL

MINIPAK MIXED POWER RECEPTACLE THT	1926721-2
MINIPAK MIXED POWER PLUG THT	1926720-2

PREFERRED PN	DESCRIPTION	FULL PARTNUMBER
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### A.8 AMPMODU 1.27MM

#### SHROUDED HEADER

1.27MM 2ROW SHROUDED HEADER, VERTICAL SMT	104655
1.27MM 2ROW RIGHT-ANGLE SHROUDED HEADER SMT	104655

#### PCB RECEPTACLE

1.27MM 2ROW VERTICAL PCB RECEPTACLE SMT	104652
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#### AMPMODU 2.54X1.27MM

#### SHROUDED HEADER

2.54X1.27MM 2ROW SHROUDED HEADER, VERTICAL THT	104068
2.54X1.27MM 2ROW SHROUDED HEADER, VERTICAL SMT	147377
2.54X1.27MM 2 ROW RIGHT-ANGLE SHROUDED HEADER THT	104069

#### UNSHROUDED HEADER

2.54X1.27MM 2ROW UNSHROUDED HEADER, VERTICAL SMT	104118
2.54X1.27MM 2ROW UNSHROUDED HEADER, HORIZONTAL L SMT	103916

#### PCB RECEPTACLE

2.54X1.27MM 2ROW VERTICAL PCB RECEPTACLE SMT	104550
2.54X1.27MM 2ROW VERTICAL PCB RECEPTACLE THT	104078
2.54X1.27MM 2ROW HORIZONTAL PCB RECEPTACLE THT	103911

#### AMPMODU 2.00MM

#### SHROUDED HEADER

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

#### AMPMODU 2.54MM

#### SHROUDED HEADER

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

### A.9 MEZZANINE CONNECTORS

#### FREE HEIGHT

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

Cable/Wire to Board



PREFERRED PN	DESCRIPTION	FULL PARTNUMBER
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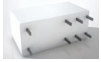
A.10 MICRO-MATCH

<b>MICRO-MATCH</b>		
FEMALE ON BOARD VERTICAL THT		338068
FEMALE ON BOARD VERTICAL SMT		338069
FEMALE ON BOARD HORIZONTAL THT		215460
MALE ON BOARD VERTICAL THT		215464
MALE ON BOARD VERTICAL SMT		338728
MALE-ON-WIRE IDC		215083
PADDLEBOARD IDC		215570

A.11 FPC

<b>FLEXIBLE PRINTED CIRCUIT</b>		
0.50MM FFC-FPC RIGHT ANGLE SMT		2-1734592-0
0.50MM FFC-FPC VERTICAL SMT		2-1734741-0
1.00MM FFC-FPC RIGHT ANGLE SMT		2-84952-0
1.00MM FFC-FPC VERTICAL SMT		2-1734248-0

Relays



PREFERRED PN	DESCRIPTION	FULL PARTNUMBER
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A.12 RELAY

<b>PCN series</b>		
PCN-105D3MHZ,000		3-1461491-0
PCN-112D3MHZ,000		3-1461491-3
PCN-124D3MHZ,000		3-1461491-6
<b>RYII series</b>		
RY211012		4-1393224-6
RY211024		4-1393224-9
RY531012		7-1393224-9
RY531024		8-1393224-2
<b>MSR series</b>		
V23061-A1005-A302		2-1393222-0
V23061-A1007-A302		3-1393222-9
<b>SNR series</b>		
V23091-A1012-A301		1393236-7
V23091-A1024-A301		2-1393236-4
<b>Relay Package SNR</b>		
ST3P2LC4		3-1416100-0
<b>Relay Package RT</b>		
RT3S4LC4		4-1415073-1
<b>Relay Package XT</b>		
XT3S4LC4		4-1415540-1
<b>Relay Package PT</b>		
PT5L7LC4		1415535-9
<b>Interface Power Relay RT1</b>		
RT314024		9-1393239-8
<b>Interface Plug-in Relay XT</b>		
XT484LC4		1887212-1
<b>Miniature Relay PT</b>		
PT570024		1-1393154-2
<b>Multimode Relay MT</b>		
MT321024		7-1393091-0
<b>Power Relay RM 2/3/7</b>		
RM702024		8-1393146-5
<b>Power Relay RM 5/6/B 3mm</b>		
RM602024		1393844-4
<b>Power Relay RM 8 (25A)</b>		
RM809024		5-1393149-8