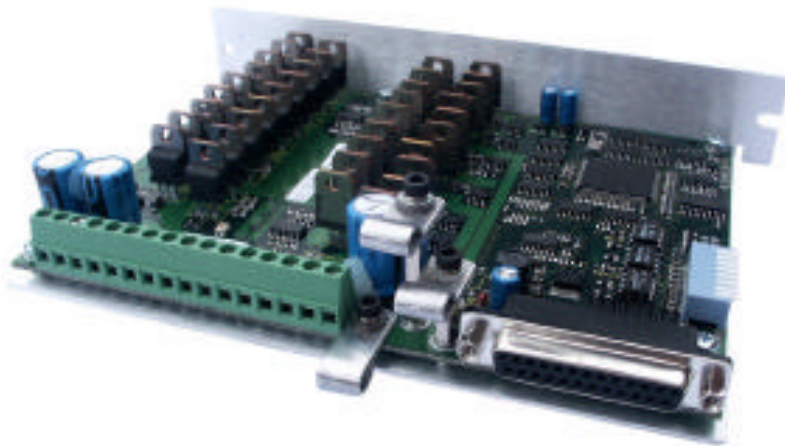
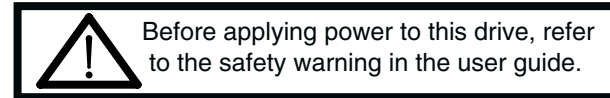


XLT Series Stepper Drives quick reference guide

Further information



This Quick Reference Guide shows the pinouts, I/O circuits and basic connections for the XLT-Series of 3-Axis stepper drives. Printed copies of the relevant User Guides may be ordered from Parker Electromechanical, or you can download a pdf version from our web site (www.parker-eme.com). For further information and technical support, please see the contact details below.

For engineering assistance in Europe:
Parker Hannifin plc
Electromechanical Automation
21 Balena Close
Poole, Dorset
England, BH17 7DX
Tel: +44 (0)1202-506200
Fax: +44 (0)1202-695750
e-mail: sales.digiplan@parker.com
e-mail: eme.applications@parker.com
Website: www.parker-eme.com

For engineering assistance in Italy
Parker Hannifin SpA
Electromechanical Automation
20092 Cinisello Balsamo
Milan,
Italy Via Gounod, 1

Tel: +39 02 6601 2478
Fax: +39 02 6601 2808

e-mail: sales.sbc@parker.com
Website: www.parker-eme.com

For engineering assistance in Germany
Parker Hannifin GmbH
Electromechanical Automation
P. O. Box: 77607-1720
Robert-Bosch-Str. 22
D-77656 Offenburg, Germany
Tel: +49 (0)781 509-0
Fax: +49 (0)781 509-98176
e-mail: sales.hauser@parker.com
e-mail: eme.applications@parker.com
Website: www.parker-eme.com

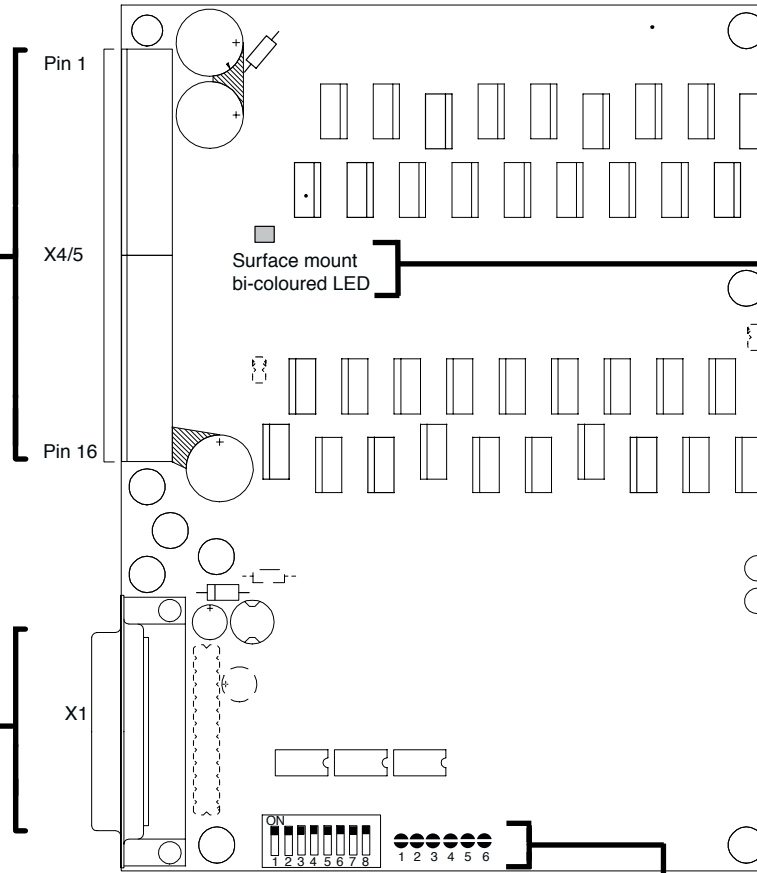
For engineering assistance in the U.S.:
Parker Hannifin Corporation
Electromechanical Automation
5500 Business Park Drive, Suite D
Rohnert Park
CA 94928
USA
Tel: (800) 358-9070
Fax: (707) 584-3793
FaxBack System: (800) 936-6939
e-mail: emn_support@parker.com
Website: www.parkermotion.com



XLT Series Connection Details

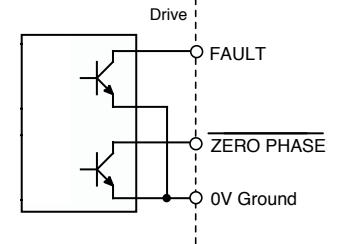
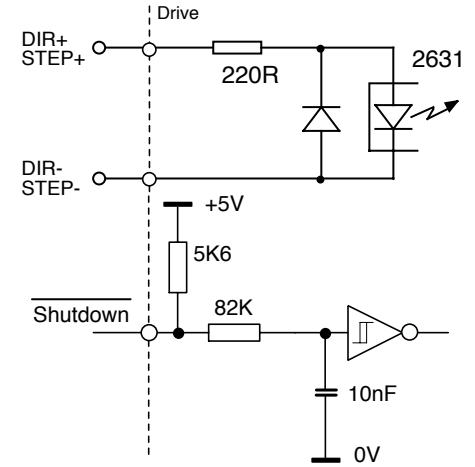
Pin N° of X4/X5	Function
1	HV_IN (24-85VDC)
2	HV_GND (return for HV)
3	Earth
4	Axis 1, Motor Out A+
5	Axis 1, Motor Out A-
6	Axis 1, Motor Out B+
7	Axis 1, Motor Out B-
8	Axis 2, Motor Out A+
9	Axis 2, Motor Out A-
10	Axis 2, Motor Out B+
11	Axis 2, Motor Out B-
12	Axis 3, Motor Out A+
13	Axis 3, Motor Out A-
14	Axis 3, Motor Out B+
15	Axis 3, Motor Out B-
16	Earth

Pin N° of X1	Function
1	Axis 1, STEP+ In
2	Axis 1, DIRECTION- In
3	Axis 2, STEP+ In
4	Axis 2, DIRECTION- In
5	Axis 3, STEP+ In
6	Axis 3, DIRECTION- In
7	Axis 1, /SHUTDOWN In
8	Axis 3, /SHUTDOWN In
9	Axis 1, FAULT Out
10	Axis 2, FAULT Out
11	Axis 3, FAULT Out
12	Composite Fault Out
13	+24VDC/100mA In [XLT80 Only]
14	Axis 1, STEP- In
15	Axis 1, DIRECTION+ In
16	Axis 2, STEP- In
17	Axis 2, DIRECTION+ In
18	Axis 3, STEP- In
19	Axis 3, DIRECTION+ In
20	Axis 2, /SHUTDOWN In
21	0V
22	Axis 1, /ZERO PHASE Out
23	Axis 2, /ZERO PHASE Out
24	Axis 3, /ZERO PHASE Out
25	0V



Bit Switch 1	Bit Switch 2	Motor Resolution
OFF	OFF	4000
OFF	ON	2000
ON	OFF	800
ON	ON	400
Bit Switch 3	Bit Switch 4	Axis 1 Current Level in % of full rating
ON	ON	100%
ON	OFF	80%
OFF	ON	64%
OFF	OFF	50%
Bit Switch 5	Bit Switch 6	Axis 2 Current Level in % of full rating
ON	ON	100%
ON	OFF	80%
OFF	ON	64%
OFF	OFF	50%
Bit Switch 7	Bit Switch 8	Axis 3 Current Level in % of full rating
ON	ON	100%
ON	OFF	80%
OFF	ON	64%
OFF	OFF	50%

Status LED	Function
Green	Supplies OK (HV and internal supplies). The LED is non-latched
Green & Red (Orange)	Supplies OK & Fault (over-current or possibly latched supply fault after HV over-voltage)
- Red	Fault (supply fault)



Solder Pad Number	Function	Description
1	Standby 50% [un-bridged pad] Standby 70% [bridged pad] (default 50%)	Standby setting for Axis 1
2	Standby 50% [un-bridged pad] Standby 70% [bridged pad] (default 50%)	Standby setting for Axis 2
3	Standby 50% [un-bridged pad] Standby 70% [bridged pad] (default 50%)	Standby setting for Axis 3
4	Step/Direction [un-bridged pad] Step+/Step- [bridged pad] (default Step/Dir)	Allows conventional step/direction control or step-up/step-down control for Axis 1
5	Step/Direction [un-bridged pad] Step+/Step- [bridged pad] (default Step/Dir)	Allows conventional step/direction control or step-up/step-down control for Axis 2
6	Step/Direction [un-bridged pad] Step+/Step- [bridged pad] (default Step/Dir)	Allows conventional step/direction control or step-up/step-down control for Axis 3