Notes

WWW.QUICKSILVERCONTROLS.COM

RoHS available on most products. Check website or call for a list of compliant products.

6 AMP X Series

SilverMax™ 23 FRAME X Series Fully Integrated Hybrid Servo Motor

QCI-X23C:

- 6A x 2 phases, 7A peak
- 8000 CPR Encoder
- RS485 @ up to 230K Baud
- 8 bit ASCII, 9 bit binary or Modbus® protocols
- DMX 512 standard
- CANopen Standard
- 32 Kilobytes nonvolatile
- 1023 Word Program Buffer
- 19 pin M16 Connector
- 7 LVTTL I/O external or 7 I/O Analog Inputs: 0 to +3.3 VDC input
- One I/O supports PWM output
- One I/O also supports 0-10v input
- RoHS

QCI-X23C-1	SilverMax	QCI-DS030	$749.00
QCI-X23C-3	SilverMax	QCI-DS030	$825.00
QCI-X23C-6	SilverMax	QCI-DS030	$899.00

SilverNugget™ X Series I-Grade Controller/Driver

Recommended Motors: QCI-AI7, A23, A24 and A34L-I I-Grade Motor/Encoders - See Below

- 5A RMS x 2 phases, 7A peak
- RS485 @ up to 230K Baud
- 8 bit ASCII, 9 bit binary or Modbus® protocols
- DMX 512 standard
- 32 Kilobytes nonvolatile
- 1023 Word Program Buffer
- DB15HD Motor I/F
- DB15HD SMI Port
- Motor Memory
- 7 LVTTL I/O external or 7 I/O Analog Inputs: 0 to +3.3 VDC input
- One I/O supports PWM output
- One I/O supports 0-10v Analog input
- RoHS
- Supports Encoder downgrade at configure time

QCI-N2-IX	SilverNugget I-Grade Configurable	QCI-DS031	$754.00

SilverNugget™ X Series M-Grade Controller/Driver

- Same as QCI-N2-IX

*Dsubs replaced with 10 pin Encoder/5 pin Motor. *No Motor Memory

QCI-N2-MX-BB01	SilverNugget M-Grade	1 foot Motor/Encoder cable	QCI-DS032	$855.00
QCI-N2-MX-BB04	SilverNugget M-Grade	4 foot Motor/Encoder cable	QCI-DS032	$855.00

Mosolver™ Hybrid Servo Motor with Integrated Magnetic Feedback

Compatible Controller: QCI-S2-IG

QCI-MV

- Eliminates Encoder
- Emulates Resolver
- Cost Effective
- 32,000 counts per revolution
- ;
- Quiet Operation
- Physically Robust
- Compact
- Commutation with no start-up wiggle
- Motor Memory simplifies installation
- Includes 12" motor/feedback cable
- RoHS

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-MV23L-1	Motor with 32,000 CPR feedback	QCI-DS029	$206.00

3.5 AMP CONTROLLERS AND MOTORS

SilverSterling™ 3.5 Amp QCI-S2-IG Controller/Drivers

Recommended Motors: I-Grade Motor/Encoders - QCI-AI7x, QCI-A23x, QCI-A24x, QCI-A34L-I

QCI-S2-IG: 3.5 A RMS x 2 Phases

- 3.5 RMS x 2 phases, 5A peak (with Heatsink)
- RS485 only
- 8 bit ASCII, 9 bit binary or Modbus® protocols
- DMX standard
- Best paired with I-Grade Motor/Encoders
- CANopen Standard
- 32 Kilobytes nonvolatile
- 1023 Word Program Buffer
- 4 LVTTL I/O external
- Two inputs also supports 12 bit analog input
- One I/O supports PWM output
- Internal feature connector for additional Analog and digital I/O
- Built in Voltage Clamp and Resistor
- DB15HD Motor I/F
- DB15HD SIP Port
- RoHS

PART NUMBER	DESCRI	COMMENTS	LIST PRICE
QCI-S2-IG-01	SilverSterling IG, Board Only	QCI-DS026 (Requires Heatsink)	$370.00
QCI-S2-IG	SilverSterling - Enclosure	QCI-DS026 In Enclosure	$411.00

Prices subject to change without notice.
QCI is not responible for any typographical errors

SilverDust™ 3.5 Amp I-Grade Controller/Drivers

Recommended Motors: I-Grade Motor/Encoders - QCI-A17x, QCI-A23x, QCI-A24x, QCI-A34L-I

QCI-D2 : 3.5 Amp
- 3.5 Amps per Phase (requires heat sink) (25C Ambient)
- 4.5 Amp Peak
- Depending on heat sink (25C ambient).
- RoHS except IGB

- Best paired with I-Grade Motor/Encoders
- RS-232 or RS-485
- 8 bit ASCII, 9 bit binary or Modbus® protocols
- 32 Kilobyte nonvolatile
- 1023 Word Program Buffer

- Voltage Clamp And Resistor
- 7 LVTTL I/O
- 4 Inputs Double as Analog Inputs 0-3.3V
- DB15HD SMI Port
- DB15HD Motor I/F
- DIN Rail Mountable

R - Right Angle DB15HD
J - CANopen® - $20 Adder
D - DMX512 - $30 Adder

IG– Open Frame
- Encoder Output

IG8 – 8 I/O
- Breakouts for Power, Comm & CANopen®
- 8 Additional 5-24V, Isolated I/O

IGB – IG with Breakout
- Breakouts for Power, Comm & CANopen®
- 16 Additional 5-24V, Isolated I/O.

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-D2-IG-01	SilverDust IG, Board Only	QCI-DS019 (Requires Heatsink)	$500.00
QCI-D2-IG	SilverDust IG w/ L-Bracket	QCI-DS019	$524.00
QCI-D2-IGF	SilverDust IGF Closed Frame	QCI-DS021	$605.00
QCI-D2-IGK	SilverDust IGK Closed Frame with	QCI-DS023	$638.00
QCI-D2-IG8	SilverDust IG8	QCI-DS018 for all QCI-D2-IG8x	$844.00
QCI-D2-IG8-E	SilverDust IG8 with Ethernet		$965.00
QCI-D2-IG8-EM	SilverDust IG8 with Modbus TCP		$965.00
QCI-D2-IG8-EMS	SilverDust IG8 with Modbus		$1,029.00
QCI-D2-IG8-ES	SilverDust IG8 with Ethernet&SSI		$1,029.00
QCI-D2-IG8-S	SilverDust IG8 with SSI Port		$926.00
QCI-D2-IGB	SilverDust IGB	QCI-DS003	$844.00
-J	CANopen Adder		$36.00
-D	DMX512 Adder		$25.00

I-Grade Motors/Encoders

Recommended Controllers: QCI-S2-IGx and QCI-D2-IGx

A17x QCI-DS007
A23x QCI-DS008
A24X QCI-DS028

Blank – Standard
- DB15HD Motor Interface Connector

6T – IP65
- 14 Pin Round Connector
- Shaft seal required for full IP65 rating.
- Extra coating on motor exterior.

A34L-1 QCI-DS009
- DB15HD Motor Interface Connector

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-A17-1	Motor w/ 8000CPR Enc		$349.00
QCI-A17H-3	Motor w/ 8000CPR Enc		$359.00
QCI-A23L-1	Motor w/ 8000CPR Enc		$298.00
QCI-A23K-3	Motor w/ 8000CPR Enc		$308.00
QCI-A23L-3	Motor w/ 8000CPR Enc		$329.00
QCI-A23H-5	Motor w/ 8000CPR Enc		$411.00
QCI-A24P-6	Motor w/ 8000CPR Enc		$462.00
QCI-A34L-1	Motor w/ 8000CPR Enc	Not available in IP65	$519.00
QCI-A17x-x-6T	IP65 Motor/Enc	Adder, Special Order	$100.00
QCI-A23x-x-6T	IP65 Motor/Enc	Adder, Special Order	$102.00

Prices subject to change without notice.
QCI is not responible for any typographical errors

10 AMP CONTROLLERS AND MOTORS

SilverSterling™ 10 Amp QCI-S3-IG Controller/Drivers

Recommended Motors: I-Grade Motor/Encoders for use with 10 Amp Controllers - See Below

QCI-S3-IG:

- 10A RMS x 2 phases, 20A peak (with Heatsink)
- RS485 only
- 8 bit ASCII, 9 bit binary or Modbus® protocols
- DMX standard
- Best paired with I-Grade Motor/Encoders
- CANopen Standard
- 32 Kilobytes nonvolatile
- 1023 Word Program Buffer
- 4 LVTTL I/O external
- 2 input also supports 12 bit analog input
- 1 I/O supports PWM output
- Internal feature connector for additional Analog and digital IO
- Built in Voltage Clamp and Resistor
- DB15HD Motor I/F

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-S3-IG	SilverSterling - In Enclosure	QCI-DS027 In Enclosure	$850.00
QCI-S3-IG-01	SilverSterling IG, Board Only	QCI-DS027 (Requires Heatsink)	$771.00

SilverNugget™ 10 Amp I-Grade Controller/Drivers

DRIVER	CONTROLLER	MOTOR INTERFACE
QCI-N3 - 10 Amp • For 34 Frame • 10 Amps per Phase (requires heat sink) (25C Ambient) • 20 Amp Peak	**E3**– Standard (same as above) • DB3 (pin) Connector for input power (use QCI-C-34EC-LP-10 cable) **M3** – Modbus® (no additional cost) **F4** – Divide Encoder By 4 • No additional cost	**04-EE -** Standard I-Grade Interface • DB15HD Motor I/F • DB5 (socket) Connector for motor windings.

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-N3-E3-04-EE	SilverNugget I-Grade	QCI-DS006 Limited Suppy: Replacement in design	$956.00

I-Grade Motors/Encoders for use with 10 amp Controllers

Recommended Controllers: QCI-S3-IGx and QCI-N3x

A34 QCI-DS009
Standard
- DB15HD Encoder Connector
- DB5 Motor Signal Connector

6T – IP65
- Encoder Connector: 14 Pin Round
- Motor Winding Connector: 6 Pin Round
- Shaft seal required for full IP65 rating (included).
- Extra coating on motor exterior.

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-A34M-1	Motor w/ 8000CPR Enc	Not available in IP65	$539.00
QCI-A34HK-1	Motor w/ 16000CPR Enc	Not available in IP65	$489.00
QCI-A34HC-1	Motor w/ 16000CPR Enc		$916.00
QCI-A34HC-2	Motor w/ 16000CPR Enc		$1,153.00
QCI-A34HC-3	Motor w/ 16000CPR Enc		$1,410.00
QCI-A34HC-4	Motor w/ 16000CPR Enc		$1,688.00
QCI-A34x-x-6T	IP65 Motor/Enc	Adder, Special Order	$205.00

Prices subject to change without notice.
QCI is not responible for any typographical errors

SilverDust™ 3.5 Amp M-Grade (MG) Controller/Drivers

QCI-D2-MG

- For 23 Frame and Smaller
- 3.5 Amps per Phase Continuous (requires heat sink) (25C Ambient)
- 4.5 Amp Peak
- RS-232 or RS-485
- 8 bit ASCII, 9 bit binary or Modbus® protc
- 32 Kilobyte non-volatile memory
- 1023 Program Buffer
- 7 Inputs or Outputs
- 4 Inputs Double as Analog Inputs 0-3.3V
- SilverLode Multi-Function Interface (SMI) Port.
- Motor: Plugged terminal strip
- Encoder: 10 Pin/Double Row
- Mating Connectors Sold Separately.
- Datasheet QCI-DS004

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-D2-MG-01	SilverDust MG, Board Only	Requires Heatsink	$499.00
QCI-D2-MG	SilverDust MG, With L-Bracket	Din Compatible	$525.00
-C	CANopen® Adder		$20.00
-D	DMX512 Adder		$25.00

M-Grade Motors/Encoders for use with M-Grade Controllers

M11-1

- Motor Connector -6 pin mini JST
- 4000 CPR Encoder with 10 pin/Double Row connector

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-M11-J	Motor w/ 4000CPR Enc	QCI-DS017	$271.00

Prices subject to change without notice.
QCI is not responible for any typographical errors

Cables

QuickSilver cables can be ordered in various lengths. The end of the part number designates the length in feet.

Custom length cables call for pricing and availability.
All custom cables have typical 2-4 week delivery.
Custom length cables may not be over-molded and may be constructed with “clam shell” type connectors.

See our website for more cables and information including bulkhead and high flex cables.

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-XC-SMI-04	SILVERMAX X SERIES Interface Cables	M16 19 pin Female to 19 pin Male 4 Foot	$235.00
QCI-XC-SMI-10		M16 19 pin Female to 19 pin Male 10 Foot	$253.00
QCI-XC-SMF-10		Single-Ended M16 19 pin Female 10 Foot	$139.00
QCI-C-D15P-D15S-01	Motor I/F Cable	I-Grade Controller to I-Grade motor.	$89.25
QCI-C-D15P-D15S-02			$89.25
QCI-C-D15P-D15S-04		For right angle connection:	$89.25
QCI-C-D15P-D15S-10		see QCI-D15HD-R1 & QCI-D15HD-R2	$99.75
QCI-C-D15P-D15S-20			$152.25
QCI-C-D15P-T14S-04	IP65 Motor I/F Cable	I-Grade Controller to I-Grade IP65 motor	$182.70
QCI-C-D15P-T14S-10			$196.35
QCI-C-D5P-D5S-01	DB5 Motor I/F Cable	Frame 34 I-Grade Controller motor winding to I-Grade motor.	$124.95
QCI-C-D5P-D5S-02			$130.20
QCI-C-D5P-D5S-04			$135.45
QCI-C-D5P-D5S-10			$149.10
QCI-C-D5P-T6S-04	IP65 Motor I/F Cable	Frame 34 I-Grade Controller motor winding to I-Grade IP65 motor.	$237.00
QCI-C-D5P-T6S-10			$256.00

Cables & Connector Kits

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-34EC-LP-10	DB3W3 Power Cable	DB3W3P 3 pin power connector with flying leads. For SilverNugget N3	$118.00
QCI-C-1BS-4AS-10	5 Pin Motor Cable	SilverDust MG or BO-M1 to M-Grade Motor.	$72.00
QCI-C-2BS-5AS-10	10 Pin Encoder Cable	SilverDust MG or BO-M1 M-GradeEncoder	$88.80
QCI-C-ACP-FLY-6	Power Cord w/ Flying	3 Prong AC Power Cord. US 120v 13 amp	$12.00
QCI-C-D9M9F-6	D9 Cable	Connects Controller to PC COM port.	$4.99
QCI-CK-4AS	Connector Kit:	5 Pin Plugged Terminal Mate to SilverDust D2-MG Motor	$6.00
QCI-CK-5AS	Connector Kit	10 Pin (socket) Mate to SilverDust D2-MG Encoder	$6.00
QCI-CK-IG8	Connector Kit-IG8	Includes: 4 removable terminal strips 5 comm jumpers	$17.00
QCI-C-OP232-7	Opto I/O Module to RS-232 Cable	QCI Opto I/O Module (RJ11) to PC COM port (D9). 7’ Cable Only	$21.00
QCI-C-RJ12-RJ12-A	RJ12 to RJ12 Cable	IG8 CAN Ports Patch Cable	$5.25
QCI-EC-SMI-10	SMI Port Cable	Connects to SMI port, 10ft	$140.00
QCI-EC-SMI-2	SMI Port Cable	Connects to SMI port, 2ft	$129.00
QCI-C-S3S-04	S3 Power Cable	Supplies power to QCI-S3 controllers	$63.00

Prices subject to change without notice.
QCI is not responible for any typographical errors

Accessories

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
DIN Rail Clips	DIN Rail Clips	Replacements for such products as CLCF, CLOF and CLRP Package of 25	$20.00
QCI-17M-65	17 Frame IP65 Shaft Seal Kit	Includes: Shaft Seal Plate w/ shaft O-ring Face Plate O-ring See QCI-TD037	$75.00
QCI-23M-65	23 Frame IP65 Shaft Seal Kit	Includes: Shaft Seal Plate w/ shaft O-ring Face Plate O-ring See QCI-TD037	$75.00
QCI-34M-65	34 Frame IP65 5/8" Shaft Seal Kit	Includes: Shaft Seal	$45.00
QCI-BO-B	Basic Breakout	D9 (std PC COM). Connects to SMI Port on: SilverDust MG, IG,IGF,IG8 See QCI-TD036	$42.50
QCI-BO-B1	Basic Breakout 1	Connects to SMI Port on: SilverDust MG, IG,IGF,IG8,IGB, N2-IX, N2-MX See QCI-TD036	$40.50
QCI-BO-B1A	Basic Breakout 1 w/ Analog Out - RoHS Compliant	0-5V analog out. Connects to SMI Port on: SilverDust MG, IG,IGF,IG8, N2-IX, N2-MX See QCI-TD048	$64.00
QCI-BO-B3	Basic Breakout 3	D9 (std PC COM). Connects to SMI Port on: SilverNugget N3 See QCI-TD038	$42.50
QCI-BO-B52	Basic Breakout w/ 24V I/O 5 In/2 Out	Connects to SMI Port on: SilverDust MG, IG,IGF,IG8 5 24V In & 2 24V Out See QCI-TD046	$95.00
QCI-BO-K	D9 CAN Breakout	CAN Breakout to CAN DB9 Connects directly to D9 on: SilverDust See QCI-TD064	$40.50
QCI-BO-M1	Motor I/F Breakout	Breaks out Motor/Encoder Connects directly to: SilverDust IG,IGF,IGK,IG8, IGB See QCI-TD057	$47.75
QCI-BO-S1	Basic Breakout for SilverSterling	Connects to SIP port on Silver Sterling See QCI-TD068	$42.00
QCI-BO-X1	Basic Breakout for SilverMax	Connects to 19pin M16 on SilverMax See QCI-TD079	$169.00

Accessories

A Clamp is Required for all SilverNugget N3 servo controller/drivers, and is recommended for SilverMax integrated Motor and Controller
See QCI Technical Document QCI-TD017 for details.

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-CLCF-04	Clamp Module, Closed Frame	Power Supply Voltage Clamp – Closed Frame Design +15 to +48 VDC operation. No internal resistor. Must be used with external resistors like the QCI-R4-50 20A Maximum. • DIN rail mountable box.	$175.00
QCI-CLCF-04-R2 QCI-CLCF-04-R4	Clamp Module, Closed Frame	Power Supply Voltage Clamp – Closed Frame Design +15 to +48 VDC operation. 12A or 20A with 4 or 2 ohm internal resistor • DIN rail mountable box.	$192.00
QCI-CLOF-04	Clamp Module, Open Frame	Power Supply Voltage Clamp – Open Frame Design (no enclosure) +15 to +48 VDC operation. No internal resistor. Must be used with external resistors like the QCI-R4-50. 20A Maximum Includes: • High Current Clamp Circuit Assembly • 35 mm DIN Rail Clips	$149.00
QCI-R4-50	4 Ohm Power Resistor	4 Ohm, 50 Watt Resistor	$6.00

Accessories

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
QCI-D15HD-R1	D15HD Rt Angle Adapter	When used on I-Grade 17&23 frame motors, cable exits towards shaft. See QCI-TD049	$15.00
QCI-D15HD-R2	D15HD Rt Angle Adapter	When used on I-Grade 17&23 frame motors, cable exits away from shaft. See QCI-TD049	$15.00
QCI-D9-CAN-232	CAN to RS-232 Adapter	D9 with only RS-232 Tx,Rx,Gnd	$6.00
QCI-DIN1	DIN Rail Bracket	Short DIN Bracket for IG8/IGF/IGK. Includes screws.	$8.00
QCI-DIN2	DIN Rail Bracket	Long DIN Bracket for IGB. Includes screws.	$8.00
QCI-OPTMC-24	24V Optical I/O Module On Carrier	DIN Mountable Breakout for SMI port. Converts SMI Port TTL I/O to optically isolated 24V I/O. See QCI-TD013	$225.00
QCI-OPTM-24	24V Optical I/O Module	Breakout for SMI port. Converts SMI Port TTL I/O to optically isolated 24V I/O. See QCI-TD013	$202.00
QCI-USB-RS485	USB to RS485 converter	USB (plug) to RS-485 converter. Breaks IO to screw cage connector. Has red	$46.00
QCI-EMAN	Electronic Copy of Silverload Manuals & QuickControl Software	QuickControl , User Manual & Command Ref Download QuickControl Software and Manuals	FREE ONLINE

Power Supplies

Single output switching power supplies

PART NUMBER	DESCRIPTION	COMMENTS	LIST PRICE
SP-240-48	Power Supply	48V, 4.4A, 210W Good for any D2, S2 with standard motor	$70.00
SE-1000-48	Power Supply	48v, 20.8A	$259.00
RSP-1000-48	Power Supply	48v, 21A, Universal input with Power Factor Correction	$359.00

Prices subject to change without notice.
QCI is not responible for any typographical errors