BREAKOUT BOARD A8452-01

Title: KINE IIX 6000 5822 N. Henkel Rd. Howard City, MI 49329

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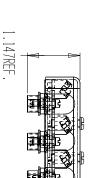
AUTOMATION ELECTRONICS | FCBB-K6K3

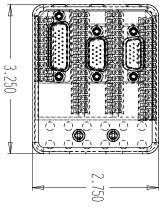
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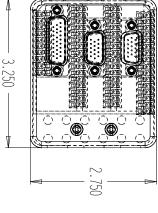
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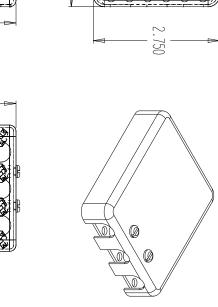
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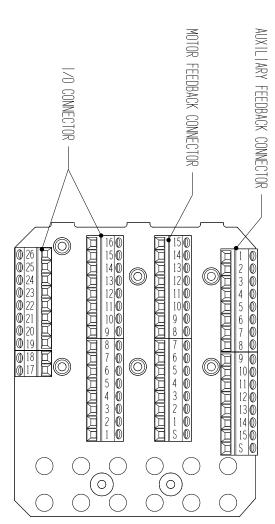
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BOARD

6000 BREAKOUT

ECBB-Kek3

FLEXCABLE

KINELIX

#

tap9

PIN NUMBERS & SIGNAL DESCRIPTIONS for the FCBB-K6K-3 Break-Out Board. Valid for KINETIX 6000^(TM) drives.

NOTE: Terminal blocks are labeled according to connector pin numbers.

| | NOTE: Terminal bid | | l | note: pin numbere: | |
|--|--|---|---|--|--|
| <u>IOD</u> | I/O CONNECTOR PIN-OUT | | <u>MF</u> | STEGMANN HIPERFACE PIN-OUT | |
| Pin Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 | Terminal Signal Description Hardware Enabled 24V DC Power Supply Hardware Enable Input Common Home Switch 24V DC Power Supply Home Switch 1put Common Positive Overtravel 24V DC Power Supply Positive Overtravel Limit Switch Input Common Negative Overtravel Limit Switch Input Common 24V Registration Power High Speed Registration 1 Input Common for Registration 24V Registration Power High Speed Registration 2 Input Common for Registration Reserved Reserved Reserved Reserved Reserved Reserved Reserved Analog Output 0 Analog Output 1 Analog Output Common Analog Output Common | Signal CUST_24V ENABLE CUST_COM CUST_24V HOME CUST_COM CUST_24V OT+ CUST_COM CUST_24V OT- CUST_COM REG_24V REG1 REG_COM REG_24V REG2 REG_COM CUST_COM REG_COM REG_COM REG_COM REG_COM REG_COM REG_COM REG_COM REG_COM REG_COM | Pin Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Terminal Signal Description Sine Differential Input+ Sine Differential Input- Cosine Differential Input- Hiperface data channel Common Encoder Power (+9V) Reserved Hiperface data channel Motor Thermal Switch (normally closed) Reserved Reserved Reserved Hiperface data channel Motor Thermal Switch (normally closed) Reserved Reserved Reserved unless motor has integrated thermal protection. | Signal SINE+ SINE- COS+ COS+ COS- DATA+ ECOMM EPWR_9VM DATA- TS EPWR_5VM |
| MF_ | TTL or Sine/Cosine w/Index Pulse and Hall Commutation | | MF | Resolver Transmitter TR = 0.25 | |
| Pin Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Terminal Signal Description AM+ / Sine Differential Input+ AM- / Sine Differential Input+ BM+ / Cosine Differential Input+ BM+ / Cosine Differential Input- Index Pulse+ Common Encoder Power (+9V) Single Ended 5V Hall Effect Commutation Reserved Index Pulse- Motor Thermal Switch (normally closed) Single Ended 5V Hall Effect Commutation Single Ended 5V Hall Effect Commutation Single Ended 5V Hall Effect Commutation Encoder Power (+5V) Reserved Not applicable unless motor has integrated them | Signal AM+ / SINE+ AM- / SINE- BM+ / COS+ BM- / COS- IM+ ECOMM EPWR_9VM S3 IM- TS S1 S2 EPWR_5VM | Pin Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Terminal Signal Description Sine Differential Input+ Sine Differential Input- Cosine Differential Input- Cosine Differential Input- Resolver Excitation Common Encoder Power (+9V) Reserved Resolver Excitation Motor Thermal Switch (normally closed)¹ Reserved Reserved Reserved Encoder Power (+5V) Reserved | Signal SINE+ SINE- COS+ COS- R1 ECOMM EPWR_9VM R2 TS EPWR_5VM |
| AF | STEGMANN HIPERFACE PIN-OUT | | AF | TTL or Sine/Cosine w/Index Pulse | |
| Pin Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Terminal Signal Description Sine Differential Input+ Sine Differential Input- Cosine Differential Input- Cosine Differential Input- Hiperface data channel Common Encoder Power (+9V) Reserved Reserved Hiperface data channel Reserved | Signal SINE+ SINE- COS+ COS- DATA+ ECOMM EPWR_9VM DATA EPWR_5VM | Pin Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Terminal Signal Description AM+ / Sine Differential Input+ AM- / Sine Differential Input- BM+ / Cosine Differential Input- BM- / Cosine Differential Input- Index Pulse+ Common Encoder Power (+9V) Reserved | Signal AM+ / SINE+ AM- / SINE- BM+ / COS+ BM- / COS- I+ ECOMM EPWR_9VM I- ECOMM EPWR_5VM |

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