



# SynqNet™

## TA806 DIGITAL I/O

TA806-D01 INPUT, OUTPUT  
TA806-E01 INPUT  
TA806-F01 OUTPUT

SMART SOLUTIONS IN MOTION CONTROL

DIGITAL REMOTE I/O BLOCK  
( SynqNet™ Enabled Digital I/O )

**THE TA806 SYNQNET REMOTE DIGITAL I/O BLOCK** from Trust Automation completes SynqNet distributed networks by providing SynqNet enabled Digital Input, and Output. It is designed for easy terminal breakout block-free installation into OEM machines.

The standard configuration offers sixteen (16) 24V DC inputs, and sixteen (16) 24V DC outputs using industry standard high density D-Sub connectors. Simple cabling provides a direct connection I/O system while maintaining the lowest cost possible.

The Trust Automation family of SynqNet products allows traditional Drives, Digital I/O and Analog I/O to be integrated together into a SynqNet Industrial Distributed Motion Network.

By incorporating this flexible interconnect architecture into a SynqNet network, custom connections and features can be developed for specific applications.



### FEATURES

- SynqNet Network
- (16) Digital 24V DC Inputs Optically Isolated
- (16) Digital 24V DC Outputs
  - Current limited to 500mA per Output, Total Available 24V DC 3000mA
  - Short Circuit Protected
  - Inductive Fly-back Protected
  - Fault monitoring on SynqNet Block
- Complete Status LED's For SynqNet and Each I/O Point
- (2) High Speed Capture Inputs



205 Suburban Road. San Luis Obispo, CA 93401 ph/805.544.0761  
[www.trustautomation.com](http://www.trustautomation.com)

## PINOUTS

### J4 DIGITAL OUTPUT - 44 PIN HIGH DENSITY D-SUB FEMALE (TA806-D01 & -E01)

#	DESCRIPTION	#	DESCRIPTION	#	DESCRIPTION
1	OUTPUT 0	16	ISO GND RTN	31	N/C
2	OUTPUT 1	17	ISO GND RTN	32	N/C
3	OUTPUT 2	18	ISO GND RTN	33	N/C
4	OUTPUT 3	19	ISO GND RTN	34	N/C
5	OUTPUT 4	20	ISO GND RTN	35	N/C
6	OUTPUT 5	21	ISO GND RTN	36	N/C
7	OUTPUT 6	22	ISO GND RTN	37	N/C
8	OUTPUT 7	23	ISO GND RTN	38	SHIELD – CHASSIS
9	OUTPUT 8	24	ISO GND RTN	39	ISO 24V DC
10	OUTPUT 9	25	ISO GND RTN	40	SHUTDOWN +
11	OUTPUT 10	26	ISO GND RTN	41	SHUTDOWN -
12	OUTPUT 11	27	ISO GND RTN	42	ISO GND RTN
13	OUTPUT 12	28	ISO GND RTN	43	ISO GND RTN
14	OUTPUT 13	29	ISO GND RTN	44	ISO GND RTN
15	OUTPUT 14	30	OUTPUT 15		

### J5 DIGITAL INPUT - 44 PIN HIGH DENSITY D-SUB MALE (TA806-D01 & -F01)

#	DESCRIPTION	#	DESCRIPTION	#	DESCRIPTION
1	INPUT 0	16	ISO GND RTN	31	ISO 24V DC
2	INPUT 1	17	ISO GND RTN	32	ISO 24V DC
3	INPUT 2	18	ISO GND RTN	33	ISO 24V DC
4	INPUT 3	19	ISO GND RTN	34	ISO 24V DC
5	INPUT 4	20	ISO GND RTN	35	ISO 24V DC
6	INPUT 5	21	ISO GND RTN	36	ISO 24V DC
7	INPUT 6	22	ISO GND RTN	37	ISO 24V DC
8	INPUT 7	23	ISO GND RTN	38	ISO 24V DC
9	INPUT 8	24	ISO GND RTN	39	ISO 24V DC
10	INPUT 9	25	ISO GND RTN	40	ISO 24V DC
11	INPUT 10	26	ISO GND RTN	41	ISO 24V DC
12	INPUT 11	27	ISO GND RTN	42	ISO 24V DC
13	INPUT 12	28	ISO GND RTN	43	ISO GND RTN
14	INPUT 13	29	ISO GND RTN	44	INPUT 15
15	INPUT 14	30	ISO GND RTN		

### J1 & J2 SYNQNET: RJ-45

### POWER – PHOENIX CONTACT 5.0MM PLUGGABLE HEADER (MATING POWER CONNECTOR PROVIDED)

REV. 3