

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

HONEYWELL SERIES C

CC-TPIX11

51306544-175 REDUNDANT PULSE INPUT IOTA

Selected official compatibility, IOTA, terminal and maintenance pages follow.

IOM block type	IOM model number	IOTA model number	IOTA description ⁷	IOTA supported FTAs or ancillary cards
DI-HV PROX	Cx-PDIH01	CC-TDII51	DI, 120VAC non-redundant	None
DI-24	Cx-PDIL01	Cx-TDIL01	DI-24V, non-redundant	None
		Cx-TDIL11	DI-24V, redundant	None
		Cx-GDIL11	DI-24VDC, GI-IS, redundant	MTL4516 MTL4517
		Cx-GDIL21	DI-24VDC, GI-IS, non-redundant	MTL4510
		Cx-GDIL01	DI-24VDC, GI-IS, redundant (for expander)	MTL4511
		Cx-SDXX01	GI-IS expander	MTL4511
	Cx-PDIL51	Cx-TDIL51	DI-24V, non-redundant	None
		Cx-TDIL61	DI-24V, redundant	None
DI-SOE	Cx-PSOE01 (note 4)	Cx-TDIL01	DI-24V, non-redundant	None
DO-24B	Cx-PDOB01	Cx-TDOB01	DO-24V, bussed, non-redundant	None
		Cx-TDOB11	DO-24V, bussed, redundant	None
		Cx-TDOR01	DO- High Voltage Relay, non-redundant	Cx-SDOR01 ² (note 2)
		Cx-TDOR11	DO- High Voltage Relay, redundant	Cx-SDOR01 ² (note 2)
		Cx-GDOL01	DO-24VDC, GI-IS, redundant (for expander)	MTL4521
		Cx-SDXX01	GI-IS expander	MTL4521
	Cx-PDOD51	Cx-TDOD51	DO-24V, bussed, non-redundant	None
		Cx-TDOD61	DO-24V, bussed, redundant	None
SVPM	CC-PSV201	CC-TSV211	Servo Valve Positioner IOTA, Redundant, Coated	None
SPM	CC-PSP401	CC-TSP411	Speed Protection IOTA, Redundant, Coated	None
PI	CC-PPIX01	CC-TPIX11	Pulse Input w/ Fast Cutout, Redundant	None
UIO	CC-PUIO01	CC-TUIO01	UIO, Non-Redundant	None
		CC-TUIO11	UIO, Redundant	
UIO-2	CC-PUIO31	CC-TUIO31	Universal IO-2, non-redundant, coated	None
		CC-TUIO41	Universal IO-2, redundant, coated	
DI-24	DC-PDIL51	DC-TDIL01	DI 24V IOTA (Non-Redundant)	None
		DC-TDIL11	DI 24V IOTA (Redundant)	
DI-SOE	DC-PDIS51	DC-TDIL01	DI 24V IOTA (Non-Redundant)	None
		DC-TDIL11	DI 24V IOTA (Redundant)	
DO-24B	DC-PDOD51	DC-TDOD51	DO 24V Bussed without RB IOTA (Non-Redundant)	None
		DC-TDOD61	DO 24V Bussed without RB IOTA (Redundant)	

NOTES

5.21 Pulse Input Module IOTA Model CC-TPIX11

The Series C PIM redundant IOTA is represented by the following graphic.

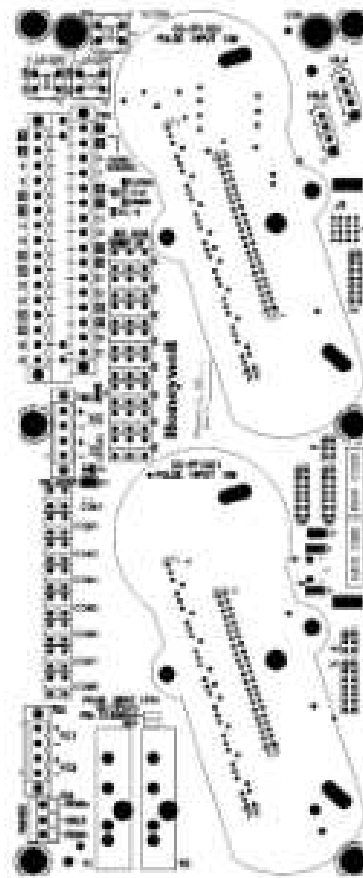


Figure 98: Pulse Input Module redundant IOTA

The following tables provide information on pin assignments of the terminal blocks of the Pulse Input Module IOTA.

Table 75: Pulse Input Module IOTA – Terminal block 1* pin assignments

Terminal Block 1				
Channel	FLDPWR+	EXT BIAS	COMMON	SIG IN
	Upper connector	Lower connector	Upper connector	Lower connector
Channel 1	1	2	3	4
Channel 2	5	6	7	8
Channel 3	9	10	11	12
Channel 4	13	14	15	16
Channel 5	17	18	19	20
Channel 6	21	22	23	24
Channel 7	25	26	27	28
Channel 8	29	30	31	32

* see text on IOTA for pin numbering.

Table 76: Pulse Input Module IOTA – Terminal block 2 * pin assignments

Pin number	Description
1	+ INT 24V
2	– INT 24V
3	+ EXT 12V/24V
4	– EXT 12V/24V

* see text on IOTA for pin numbering.

Table 77: Pulse Input Module IOTA – Terminal block 3 * pin assignments

Pin number	Description
1	PC1 + (high side)
2	PC1 – (low side)
3	PC2 + (high side)
4	PC2 – (low side)

* see text on IOTA for pin numbering.

Table 78: Pulse Input Module IOTA – Terminal block 4 * pin assignments

Pin number	Description
1	PRVR+
2	Shield (screen)
3	PRVR–

* see text on IOTA for pin numbering.

Refer to the section “Series C PIM connectivity” on page 211 for information on connecting PIM.

5.22 Upgrading Firmware in Series C I/O components

Refer to the Upgrading firmware in Series C I/O components section in the *Control Hardware and I/O Module Firmware Guide*.

Part name		Part number	Description	
<i>Description</i>	<i>Part number</i>	<i>Quantity</i>	<i>Reference designator</i>	<i>Function</i>
Fuse 10A, 5x20mm, time lag	51190582-310	1 per red. IOTA	F1	Fuse for field power
Fuse 1A, 5x20mm, time lag	51190582-210	2 per red. IOTA	F2 F3	Fuse for top IOM kernel Fuse for bottom IOM kernel
PULSE INPUT MODULE				
Series C PIM	CC-PPIX01	Series C Pulse Input Module		
IOTA				
IOTA	(CC-TPIX11)	Redundant IOTA		
Fuses				
<i>Description</i>	<i>Part number</i>		<i>Reference designator</i>	
Fuse 1A Fast acting 5x20mm (replaceable fuses)	51190582-210		F1, F2, F3	
Relays				
	<i>Part number</i>			
K1, K2 (solid state fast-cutoff replaceable relays)	51190516-134			
Plug-in connectors				
	<i>Part number</i>			
TB1	51506273-216			
TB2, TB3	51506269-104			