ImageWriter

DataIO IWDemo1 Device Support Detail & Setup

ImageWriter Support Hierarchy

Manufacturer: DataIO

Device: IWDemo1

Objects for IWDemo1

Flow Object Name:	*Program / Execute*	*Verify*	*Load*	*Object Size (Bytes)*
Flash	●	●	●	0x400
Erase	●			
p_SPI[1]	●		●	0x08

[1]Default Clock Frequency = 250KHz

Physical Layer Connector Setup for IWDemo1

ImageWriter:		Target:
Connector Pin #	***Pin Name***	***Connections***
1	GND	GND (PIN4)
2	GND	GND (PIN4)
3	TXD (MOSI/TDO)	PIN5
4	RXD (MISO/TDI)	PIN6
5	RTS (TMS)	NOCONN
6	CTS	NOCONN
7	XCLK	PIN7
8	RST	PIN1
9	SCL	NOCONN
10	SDA	NOCONN
11	GND	GND (PIN4)
12	GND	GND (PIN4)
13	VPP/EXT_IN	NOCONN
14	VPP/EXT_OUT	NOCONN
15*	Target V+ (7.0V max)	VCC I/O (PIN8)
16*	Target V+ (7.0V max)	VCC I/O (PIN8)
17	GND	GND (PIN4)
18	GND	GND (PIN4)
19	ImageWriter Power	Supply 9-24 VDC
20	ImageWriter Power	Supply 9-24 VDC

*Maximum Pin-Driver output voltage = 4.2V.

Support Notes:

1. This support is specifically for the ImageWriter demonstrator board, IWDemo1.
2. The 20-pin header on the IWDemo1 PCB is pre-wired as described in the connector setup table above.

Disclaimer

Typical implementation of **ImageWriter** includes but is not limited to external power provision to **ImageWriter**, device access restrictions on the target board, external hardware on the target board, or software changes created by the user affecting timing, device erasure, programming, or verification. Data I/O warranty coverage applies only when the product is used in conformance with technical specifications put forth by Data I/O and by the semiconductor device manufacturer.

In the interest of achieving the highest levels of safety and quality, Data I/O recommends that all programming processes be tested and documented in a prototype project prior to transition to volume manufacturing. For additional information see In-System Programming Design Guidelines (http://www.dataio.com/isp).

ImageWriter programs semiconductor devices through the use of circuits designed precisely to operate in accordance with specifications outlined by the device manufacturer. Provision and calibration of power supplies are critical for proper operation. **ImageWriter** has been fully tested by Data I/O Corporation for quality performance.