

## ISL78365EVAL1Z Evaluation Board User Guide Addendum and Errata

This document provides additional information and corrections to the ISL78365EVAL1Z Evaluation Board User Guide (User Guide 076) after it was published.

### Errata:

This section provides the correction to the User Guide 076.

- 1. Figure 2 on page 2 of the User Guide shows the evaluation board. The picture shown has two errors and it is shown below with the two errors circled in red and in blue.
- 2. The RED circle shows a negative 3.0V. This is incorrect. The correct voltage is positive 3.0V. This voltage can be adjusted to reflect your desired laser diode voltage after you have the board and software working together.
- 3. The BLUE circle shows the scope probe connected to the right most pin of OUT1 header. The right most pin is the ground pin. The correct position where the scope probe should be tied to is the left pin.



FIGURE 2. ISL78365 EVALUATION BOARD CONNECTIONS

Picture 1 Figure 2 from User Guide with Errors Circle.

Jun. 29, 2016 1 CAUTION: These devices are sensitive to electrostatic discharge, follow proper IC Handling Procesdures. 1-888-INTERSIL or 1-888-468-3774 Copyright Intersil America LLC 2016. All Rights Reserved. Intersil (and design) is trademark owned by Intersil Corporation or one of its subsidiaries. All other trademarks mentioned are the property of their respective owners.

#### **Software Installation**

This section provides a quick installation guide to install the GUI application into your target PC.

Step 1. Insert the CD that came with the evaluation package and open a file explorer to the CD. Figure 1 shows the file explorer view of the CD content. There should be four directories as shown.



Figure 1 File Explorer view of the CD content.

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Step 2. Open the ISL\_GenericComm\_Ver1.1 folder and you will see the content as shown in figure 2.



Figure 2 Contents of ISL\_Generic\_Comm Folder

Step 3. Right click on the SETUP.exe program and select Run As Administrator selection to begin the install.You will see figure 3's Installer Screen.

	ISL_GenericComm 1.0.3 Installer	×
ISL_GenericCo	omm	
It is strongly recommende installer. Applications that utilities, might cause the in	ed that you exit all programs before running this t run in the background, such as virus-scanning installer to take longer than average to complete.	
	<< Back Next >>	Cancel

Figure 3 Installer Screen

Step 4. Click Next to get to the destination directory window; shown in figure 4. In general, the default directories would work for most of the installation. Unless there is some conflict with already installed software, we recommend to use the default folders.

ų.	ISL_GenericComm 1.0.3 Installer – 🗖 🗙
	Destination Directory Select the primary installation directory.
	All software will be installed in the following locations. To install software into a different location, click the Browse button and select another directory.
	Target directory for application
	C:\Program Files (x86)\ISL_GenericComm\ Browse
	<< Back Next >> Cancel

Figure 4 Installer's Destination Directories Targets

Step 5. Upon clicking the NEXT button, the installer will ask you to confirm the installation. Figure 5 shows the screen shot of the Installer's confirmation window.

u.	ISL_GenericComm 1.0.3 Installer	-		×
Start Installation Review the following	g summary before continuing.			
Adding or Changing • ISL_GenericComm Files				
Click the Next button to begin ins	tallation. Click the Back button to change the installation settings.			
	Save File << Back Next >>		Cancel	

Figure 5 Installer Confirmation Screen

Step 6. Once the installer has completed the installation, you will see the Installation Complete window as shown in figure 7. At this time, you can click FINISH button to close the installer application.

ų	ISL_GenericComm 1.0.3 Installer	-		×
Installation Complet	e			
The installer has finished up	odating your system.			
	<< Back Next >>		Finish	

Figure 6 Installer Completion Screen

Step 7. Reboot of the system to complete the installation operation.



Figure 7 Reboot screen

Step 8. Before running the ISL\_GenericComm utility for the first time, there is a need to copy the ISL78365\_Eval.par file from the CD's Par Files folder into the location where the ISL\_GenericComm.exe is located.

You will need to be in administrative mode in order to have write access to the C:\Program Files (x86)\ISL GenericComm folder. Once you have copied the parameter file, you are now ready to run the utility.

# Running the ISL Generic Comm utility

To begin running the ISL\_Generic\_Comm application, navigate to the C:\Program Files (x86)\ISL\_GenericComm folder using your File Explorer. Open the folder and double click on the ISL\_GenericComm.exe file and you should see figure 7 the ISL\_GenericComm application window.. You are now ready to use the application. Folder the operating instructions provided in the User Guide 076 document.

8	Inters	il I2C	and S	SPI fo	r Dev	rice Evaluation Software (Version 1.0)		×
Find USB	Register	TAB	3_2	TAB_	3 T/	AB_4 Tools		Exit
Ready 🔴			Addr	Wr	Rd	Description		
Not Connected	1 Wr	Rd	00	00	00			-
Generic SPI 💌	2 Wr	Rd	00	00	00			-
	3 Wr	Rd	00	00	00			-
Addr 着 02	4 Wr	Rd	00	00	00			-
Data 102	5 Wr	Rd	00	00	00			-
	6 Wr	Rd	00	00	00			-
Write	7 Wr	Rd	00	00	00			-
Read	8 Wr	Rd	00	00	00			-
	9 Wr	Rd	00	00	00			~
□ b7	10 Wr	Rd	00	00	00			~
□ b8	11 Wr	Rd	00	00	00			~
<b>64</b>	12 Wr	Rd	00	00	00			~
<u>ь</u> b3	13 Wr	Rd	00	00	00			~
Б1	14 Wr	Rd	00	00	00			-
🗖 ЬО	15 107-	n.	nn	nn			1	
Hex 00	Write	NI	Rea	d All	]   Fi	lename: Save	Lo	ad

Figure 8 ISL\_GenericComm Application Window