

WLD33ND Evaluation Board Notification

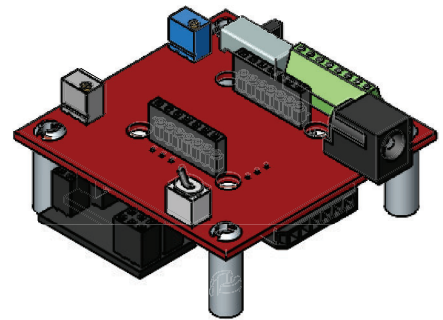
 Urgent Action Required
 Information Only
NEW EVALUATION BOARD PART NUMBERS
EFFECTIVE DATE: DECEMBER 2023
WLD33ND-2AEV – WLD Evaluation PCB for 2 Amp operation
WLD33ND-3AEV – WLD Evaluation PCB for 3 Amp operation

Subject: WLD33ND Evaluation Board New Part Numbers

Two new part numbers have been created for the WLD Evaluation Board Series (WLD33ND-xxEV). This update is tied to operation of a WLD laser driver with an evaluation PCB with a maximum current output of 2 A or 3 A.

CHANGES AND FEATURES INCLUDE:

- Choice of either 2 A operation or 3 A operation with the corresponding WLD Evaluation Board.
- The WLD33ND-3AEV is replacing the Product Variation, PV028-E for operation of up to 3 A with the WLD laser driver and Evaluation Board. RS2 on the Evaluation Board Schematic on page 24 of the datasheet is changed for 3 A operation.
- Transfer functions for 2A and 3A operation with the WLD33ND-xxEV are shown below in Tables 1 and 2, respectively. Convert IMON and VSET voltage to laser diode current.



FUNTION	MODE	200 mA RANGE	2 A RANGE
IMON	CC / CP	106 mA / V	1 A / V
VSET	CP	106 mA / V	1 A / V

Table 1. WLD33ND-2AEV laser diode current transfer functions.

FUNTION	MODE	3 A RANGE
IMON	CC / CP	1.67 mA / V
VSET	CP	1.67 mA / V

Table 2. WLD33ND-3AEV laser diode current transfer functions.

WLD33ND-3AEV 3 AMP OPERATION: To operate WLD33ND-3AEV with a maximum current of 3 A, the **LD Range Jumper** is placed in the 2 A position.

REVIEW THE WLD33ND DATASHEET FOR DETAILED INFORMATION ON UPDATED SPECIFICATIONS AND OPERATION.

Action Required: Review WLD33ND Series Datasheet - follow 2A and 3A operating instructions found here: www.teamwavelength.com/download/Datasheets/wld33nd.pdf

NOTE: USING THE WLD33ND-2AEV EVALUATION BOARD WILL LIMIT OUTPUT CURRENT OF THE WLD SERIES LASER DRIVER TO 2.2A.

Please contact Sales at 406-587-4910 or email sales@teamwavelength.com for details