

PCN #:	2009006A	PCN ISSUE DATE:	September 9, 2009
PCN TITLE: Printed Circuit Board Revision to Add Physical Layer Port Protection			
REVISION:	1.1	CUSTOMER CONTACT:	sales@ptgrey.com
TYPE OF CHANGE:			
<input checked="" type="checkbox"/> Electrical Specification <input type="checkbox"/> Mechanical Specification <input type="checkbox"/> Firmware Specification <input type="checkbox"/> Regulatory or Compliance		<input type="checkbox"/> Part Number <input type="checkbox"/> Selling Price or Structure <input type="checkbox"/> DISC (Discontinued)	
PLANNED FIRST SHIP DATE / SERIAL NUMBER: September 29, 2009 (serial number cutovers for specific part numbers available upon request)			
AFFECTED PART NUMBER(S):			
<ul style="list-style-type: none"> The following standard FireWire product part numbers, 00-xx custom part numbers derived from one of the following, and other select custom FireWire products: Dragonfly2 DR2-xx Flea2G FL2G-xx Ladybug3 LD3-xx Grasshopper GRAS-xx Dragonfly Express DX-xx Bumblebee2 BB2-xx Firefly MV FFMV-xx FirePRO FWB-HUB-xx Bumblebee XB3 BBX3-xx Flea2 FL2-xx FirePRO FWB-PCIE-xx 			
CHANGE DESCRIPTION:			
<p>The affected part numbers will undergo a minor revision to the printed circuit board (PCB) to add physical layer (PHY) port protection. The PHY chip is a sensitive electronic component that can be damaged by occurrences such as a late V_E event, Electro Static Discharge (ESD), or improper connection of FireWire cable.</p> <p>This electrical enhancement is considered to be a minor revision with no impact on CE or FCC emissions compliance, no impact on Electro Magnetic Compatibility (EMC), and no change to existing functionality during normal operation. Contact sales@ptgrey.com to request a serial number cutover or updated PCB version number for a specific part number.</p>			
REASON FOR CHANGE			
<ul style="list-style-type: none"> Improve product reliability by minimizing the risk of damage to the PHY. 			
ANTICIPATED IMPACT ON FIT / FORM / FUNCTION / RELIABILITY			
<ul style="list-style-type: none"> No change to functionality during normal operation. Fewer returns for repair that result from damaged PHY's. 			

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REFERENCE DOCUMENTS

- [KB Article 180: Common causes for physical layer \(PHY\) IC failure](#)