



PL DECODER FAMILY

HARDWARE DECODERS FOR ZEBRA 2D IMAGERS

GET MAXIMUM INTEGRATION FLEXIBILITY WITH ZEBRA'S HARDWARE DECODER FAMILY

You design your products to meet the needs of different industries and different users — why settle for a one-size-fits-all decoder strategy? With Zebra's PL Family of hardware decoders for Zebra 2D imagers, you can choose the right decoder for each and every one of your products, based on whatever criteria you define — size, form factor, features or cost-efficiency.

CHOOSE YOUR SIZE

There is a PL hardware decoder that will fit in your product designs, no matter how much or how little room is available. The PL family includes standard size boards, miniaturized boards and a Ball Grid Array (BGA) microchip.

CHOOSE YOUR FORM FACTOR

Choose the form factor that works best for your product design — a separate circuit board that connects to your board or a microchip that is soldered to the main circuit board, allowing you to deeply embed our world-class image capture technology into your products.

CHOOSE YOUR FEATURE SET

Select the decoder that gives you the right feature set, allowing you to pay only for the technology you need. The PL Decoder Family Series offers standard performance on virtually any bar code — 1D and 2D — as well as the ability to capture images and video footage. The PL Decoder Family delivers excellent motion tolerance that is required in intensive and rapid scanning applications, and adds features such as signature capture, OCR and multicode scanning.

BETTER CONTROL OVER YOUR PRODUCT COSTS — AND YOUR PROFIT MARGINS

For your cost-sensitive products, this family of hardware decoders allows you to stay within your projected budget, yet still get the same high quality data capture that has made Zebra the industry leader in bar code scanning and image capture.

Easily and cost-effectively integrate industry leading data capture capabilities into your product designs with the Zebra PL Family of Hardware Decoders.

For more information, visit www.zebra.com/pldecoderfamily or access our global contact directory at www.zebra.com/contact

THE PL FAMILY PL3307A

Smallest decoder board in the family; designed for spaceconstrained products

PL3307B

Standard size cost-effective decoder board designed for products with more room

PL3307C

This Ball Grid Array (BGA) is an electronic component — a chip — that is soldered onto your circuit board; allows you to deeply embed our data capture technology into your products

PL4507

Standard size cost-effective decoder board designed for products with more room

SPECIFICATIONS

PL3307-A

PL3307-B

PL3307-C

PL4507

PHYSICAL CHARACTERISTICS

Dimensions (maximum)	0.656 in. H x 1.193 in. W x 0.338 in. D/ 16.65 mm H x 30.29 mm W x 8.58 mm D	1.059 in. H x 1.537 in. W x 0.251 in. D/ 26.91 mm H x 39.04 mm W x 6.37 mm D	0.472 in. H x 0.748 in. W x 0.094 in. D/ 12.00 mm H x 19.00 mm W x 2.40 mm D	1.060 in. H x 1.537 in. W x 0.273 in. D/ 26.92 mm H x 39.04 mm W x 6.93 mm D
Weight	0.11 oz./3.2 g	0.20 oz./5.7 g	0.03 oz./0.9 g	0.20 oz./5.6 g
Interface	31-pin ZIF host connector (0.3 mm pitch), micro USB B	30-pin ZIF host connector (0.5 mm pitch), micro USB B	104-ball BGA component	30-pin ZIF host connector (0.5 mm pitch) , micro USB B

PERFORMANCE CHARACTERISTICS

Symbologies	1D: All major 1D 2D: PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RSS, Composite, TLC-39, MaxiCode Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)			
Image File Formats	BMP, TIFF and JPEG			
Host Interfaces	Serial, USB			

USER ENVIRONMENT

Operating Temp.		-22° F to 131° F/-30° C to 55° C	
Storage Temp.		-40° F to 158° F/-40° C to 70° C	
Humidity		Operating: 95% RH, non-condensing at 55° C/Storage: 85% RH, non-condensing at 70° C	
Shock Rating	2500 G ±5%, any mounting surface, at 73° F/23° C for 0.85 ±0.05 ms 2000 G ±5%, any mounting surface, at -22° F/-30° C and 131° F/55° C for 0.85 ±0.05 ms	N/A	2500 G ±5%, any mounting surface, at 73° F/23° C for 0.85 ± 0.05 ms 2000 G ±5%, any mounting surface, at -22° F/-30° C and 131° F/55° C for 0.85 ±0.05 ms
Power	Operational Input Voltage: Engine: 3.3V ±10% or 5V ±10% Current Draw (with SE3307-WA engine): 280 mA avg. during scanning, 3.3V input 270 mA avg. during scanning, 5V input from USB	Operational Input Voltage: Engine: 3.3V ±10% or 5V ±10% Current Draw (with SE4500 engine): 450 mA avg. during scanning, 3.3V input 315 mA avg. during scanning, 5V input from USB	
Environmental		RoHS compliant	

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, PL decoders are warranted against defects in workmanship and materials for a period of 15 months from the date of shipment. For the complete Zebra hardware product warranty statement, go to: <http://www.zebra.com/warranty>

PL FAMILY FEATURES AT A GLANCE

Feature	PL3307A	PL3307B	PL3307C	PL4507
All bar codes (1D and 2D)	*	*	*	*

Images/ Photographs/Video	*	*	*	*
Motion enhancement	*	*	*	*
Scanning of multiple bar codes	*	*	*	*
Signature capture	*	*	*	*
Optical character recognition (OCR)	*	*	*	*
IMAGER ENGINE COMPATIBILITY				
Decoder	SE3300	SE4500	SE4710	SE4750
PL3307A*	*	*	*	*
PL3307B	*	*	*	*
PL3307C	*	*	*	*
PL4507	*	*	*	*

*Note: The PL3307A is also available pre-assembled with the SE3300 and SE4750 engines. For more information, please refer to the SE330x and SE4750 datasheets.



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