

Product Material Declaration Datasheet

Issue Date: August 26, 2025

Products: RAIN RFID Readers
Impinj Part Numbers: IPJ-R700-241, IPJ-R700-243, IPJ-R700-341, IPJ-R700-441
IPJ-R720-243, IPJ-R720-343, IPJ-R720-443

Summary:

RoHS

RAIN RFID readers, supplied by Impinj, Inc, are RoHS compliant. Since all part components within the reader have been purchased and processed to the RoHS standard, the entire assembly meets the Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS2), and 2015/863 (RoHS3) including exemptions specified below:

Exemption	Exemption Description
6(a)	Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35% lead by weight
6(b)	Lead as an alloying element in aluminum containing up to 0.4% lead by weight
6(c)	Copper alloy containing up to 4% lead by weight
7(a)	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead)
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g., piezoelectronic devices, or in a glass or ceramic matrix compound

Table 1 identifies environmentally banned substances related to the Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS2), and 2015/863 (RoHS3). Impinj products do not intentionally contain these substances beyond trace element amounts.

TABLE 1

Substances / Compounds	Weight (mg)	PPM	Analysis
Hexavalent Chromium and Compounds	0	<1000	MSDS/Supplier
Lead and Lead Compounds	0	<1000	MSDS/Supplier
Mercury and Mercury Compounds	0	<1000	MSDS/Supplier
Polybrominated Biphenyls (PBB)	0	<1000	MSDS/Supplier
Polybrominated Diphenylethers (PBDE)	0	<1000	MSDS/Supplier
Bis(2-ethylhexyl) phthalate (DEHP)	0	<1000	MSDS/Supplier
Butyl benzyl phthalate (BBP)	0	<1000	MSDS/Supplier
Dibutyl phthalate (DBP)	0	<1000	MSDS/Supplier
Diisobutyl phthalate (DIBP)	0	<1000	MSDS/Supplier
Cadmium and Cadmium Compounds	0	<100	MSDS/Supplier

REACH

Some products manufactured and supplied by Impinj Inc may contain Substances of Very High Concern (SVHC) as listed on the ECHA Candidate List updated January 21, 2025, in concentrations exceeding 0.1% by weight, as specified by Regulation (EC) No.1907/2006 (REACH).

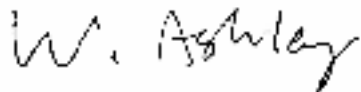
If products contain substances above the threshold as described in Regulation (EC) No.1907/2006 (REACH 247), it is noted in Table 2. If components or parts used cannot be verified for Substances of Very High Concern (SVHC), it is noted in Table 3. This disclosure is to certify that products offered by Impinj Inc, with the exception noted in Table 2 and Table 3, contain less than the threshold levels of SVHC as defined in Regulation (EC) No.1907/2006 (REACH annex XVII).

TABLE 2 - Components or parts containing Substances of Very High Concern (SVHC).

SVHC	CAS Number	Application	Product
Lead and Diboron Trioxide	7439-92-1 and 1303-86-2	XTAL OSC 32.7680KHZ 12.5PF SMD	Impinj Readers R700, R720.
Lead	7439-92-1	XTAL OSC 32.7680KHZ 12.5PF SMD	Impinj Readers R700, R720.
Lead	7439-92-1	CONN RIGHT ANGLE RPTNC RECEPTACLE	Impinj Readers R700, R720.
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	LITHIUM BATTERY BR2032/CR2032X	Impinj Readers R700, R720.
Lead	7439-92-1	NUT TNC	Impinj Readers R700, R720.
Lead	7439-92-1	CONN JACK FEMALE SOCKET 50OHM THROUGH HOLE	Impinj Readers R700, R720.
Polyethylene Glycol	9002-93-1	RF DIRECTIONAL COUPLER 20DB 6 PIN	Impinj Readers R700, R720.

TABLE 3 - Components or parts that cannot be verified for REACH. Data unavailable from manufacturers

Impinj PN	PN Description	Product
110-17326-875	LBL 0.9INX 0.16IN WHITE POLY @NA	Impinj Readers R700, R720.
50094	BJT GENERAL PURPOSE NPN AMPLIFIER	Impinj Readers R700, R720.
110-0007-875	LBL AS#LBL 4.0WX1.50HTH-PAPER	Impinj Readers R700, R720.
110-0007-875	LBL AS#LBL 4.0WX1.50HTH-PAPER	Impinj Readers R700, R720.
100083-01	RES 33 TF 1/16W 1% 0402	Impinj Readers R700, R720.
100554-01	RES 4.99K TF 1/20W 1% 0201	Impinj Reader R700



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