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# PCB ANTI METAL TAG

## Alien Chip

Product	Long Range				Medium Range				Short Range	
Photo										
Product Name	11220-B3E	9525-A3C-F	9522-B3C	9522-B3E	7020-B3C	7020-B3E	9011-B3C	9008-B3C	9005-B3C	3613-B3E
Sample Applications	Storage rack management, Asset management, Tray tracking, Landmark management, IT asset management, Remote asset management, Foil-based packaging						Steel sheet management, Tray tracking, IT asset management, Foil-based packaging, Instrument management		Parts maintenance, IT asset management, Data center servers, Instrument	
Frequency	865~868MHz	902~928MHz (US)		865~868MHz	902~	865~	902~928MHz(US)		865~	
IC Type	Alien H3									
Memory	EPC : 96bit : User:512bit									
Read Range (m)	Fix Reader (ERP=2W): Up to 6m, Clamshell handset reader: Up to 3m, Normal handset reader: Up to 1.5m	Fix Reader (ERP=2W): Up to 6m, Clamshell handset reader: Up to 3m, Normal handset reader: Up to 1.5m		Fix Reader (ERP=2W): Up to 3.5m, Clamshell handset reader: Up to 1.5m, Normal handset reader: Up to 1m		Fix Reader (ERP=2W):Up to 3.5m, Clamshell handset reader: Up to 1.5 m, Normal handset reader: Up to 1m	Fix Reader (ERP=2W): Up to 2.5m, Clamshell handset reader: Up to 1.0 m, Normal handset reader: Up to 0.6m	Fix Reader (ERP=2W): Up to 2.0m, Clamshell handset reader: Up to 0.8 m, Normal handset reader: Up to 0.5m	Fix Reader (ERP=2W): Up to 1.8m, Clamshell handset reader: Up to 0.7m, Normal handset reader: Up to 0.4m	













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<b>Material</b>	FR4									
<b>Attachment</b>	Manual (std. /Ravid hole dia. 3.5mm) ,Film adhesive (opt.),Foam adhesive (opt.)									Film adhesive(std.) Foam adhesive(opt)
<b>Operating Tempe</b>	-25 degree to +85 degree									
<b>Application Temp</b>	-40 degree to +85 degree									
<b>IP Classification</b>	IP65									
<b>Size (mm)</b>	112*20*3mm	95*25*3.7m	95*22*3mm	95*22*3mm	70*20*3.7m	70*20*3.7m	90*11*3.7m	90*8*3.7m	90*5*3.7m	36*13*3.7m
<b>Temperature</b>	-40 degree to +150 degree, 7 cycles, each cycle with 2 hours of +150 degree and 2 hours of -40 degree, 48 hours total.									
<b>Options</b>	Surface Printing, Logo printing, Laser mark, EPC pre-writing, 1D/2D labelling							Surface Printing, Laser		
<b>Remark</b>	<p>A. With the option of surface printing, the minimum of qty is 3000 pcs.</p> <p>B. Only can be assembled in outdoors after surface printing or being covered.</p> <p>C. Can customize tags for customers according to the requirements of size, material, chips, shape, assembly, and so on.</p>									



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## Impinj Chip

Product	Long Range			Medium Range	Short Range					
Photo										
Product Name	11220-B3E	9525-A3C-F	9522-B3C	9522-B3E	7020-B3C	7020-B3E	9011-B3C	9008-B3C	9005-B3C	3613-B3E
Sample Applications	Storage rack management, Asset management, Tray tracking, Landmark management, IT asset management, Remote asset management, Foil-based packaging, Instrument management		Steel sheet management, Tray tracking, IT asset management, Foil-based packaging, Instrument management		Parts maintenance, IT asset management, Datacenter servers, Instrument management					
Frequency	902~928MHz (US)			865~868MHz	902~	865~868MHz (EU)		902~928MHz (US)		865~
IC Type	Impinj M4QT ( Opt. M4E)									
Memory	EPC : 128bit , User: 512bit									
Read Range (m)	Fix Reader (ERP=2W): Up to 6m, Clamshell handset reader: Up to 3m, Normal handset reader: Up to 1.5m	Fix Reader (ERP=2W): Up to 3.5m, Clamshell handset reader: Up to 1.5m, Normal handset reader: Up to 1m	Fix Reader (ERP=2W): Up to 3.5m, Clamshell handset reader: Up to 1.5m, Normal handset reader: Up to 1 m	Fix Reader (ERP=2W): Up to 1.5m, Clamshell handset reader: Up to 0.6m, Normal handset reader: Up to 0.3m	Fix Reader (ERP=2W): Up to 1.8m, Clamshell handset reader: Up to 0.7m, Normal handset reader: Up to 0.4m		Fix Reader (ERP=2W): Up to 1.5m, Clamshell handset reader: Up to 0.5m, Normal handset reader: Up to 0.3m		Fix Reader (ERP=2W): Up to 1.5m, Clamshell handset reader: Up to 0.5m, Normal handset reader: Up to 0.3m	

<b>Material</b>	FR4									
<b>Attachment</b>	Manual (std. /Ravid hole dia. 3.5mm) ,Film adhesive (opt.),Foam adhesive (opt.)					Film adhesive(std.) Foam adhesive(opt)				
<b>Operating Tempe</b>	-25 degree to +85 degree									
<b>Application Temp</b>	-40 degree to +85 degree									
<b>IP Classification</b>	IP65									
<b>Size (mm)</b>	112*20*3mm	95*25*3.7m	95*22*3mm	95*22*3mm	70*20*3.7m	70*20*3.7m	90*11*3.7m	90*8*3.7mm	90*5*3.7m	36*13*3.7m
<b>Temperature</b>	-40 degree to +150 degree, 7 cycles, each cycle with 2 hours of +150 degree and 2 hours of -40 degree, 48 hours total.									
<b>Options</b>	Surface Printing, Logo printing, Laser mark, EPC pre-					Surface Printing, , EPC pre-writing				

**Remark**

- A. With the option of surface printing, the minimum of qty is 3000 pcs.
- B. Only can be assembled in outdoors after surface printing or being covered.
- C. Can customize tags for customers according to the requirements of size, material, chips, shape, assembly, and so on.

