



3D PLUS INTERFACE MODULE P/N DECODER

	1	2	3	4	5	6	7	8	9	10	11	12
3D	XX	<u>00</u> <u>000</u>	00	X	X	0	000	X	X	X	X	0

Ex: 3DLV3108VS1373 IS H R M

1 Module Type

LV : LVDS LT : LVTH, LVTLS

2 Module Type

31 : Driver 32 : Receiver 33 : Transceiver
 217 : Serializer 218 : Deserializer 162245: LVTH
 163245; 164245: LVTLS

3 Module Data Bit

04 : x4 Bit 16 : x16 Bit 40 : x40 Bit 64 : x64 Bit nn : xnn Bit
 08 : x8 Bit 32 : x32 Bit 48 : x48 Bit 72 : x72 Bit
 - : NA for LT Module type

4 Module Voltage

C : 5.0 V V : 3.3 V S : 2.8 V T : 2.5 V U : 1.8 V
 W : 1.5 V Y : 1.35 V L : 1.2 V

5 Module Package

B : BGA L : LGA S : SOP Q : QFP P : PGA
 J : QFJ C : Connector W : Wire Bond F : Flat Pack

6 Stacked Layers

1 : 1 Layer 2 : 2 Layers 4 : 4 Layers 8 : 8 Layers A : 10 Layers
 n : n Layers

7 Control Features

nnn : Product Flyer Number

Note: The Product Flyer's number characterizes a single product and takes into account the technology flow, the die source and revision, the module's features and the electrical and mechanical user interfaces.

8 Temperature Range

C : 0°C to +70°C
 I : -40°C to +85°C
 M : -55°C to +125°C
 S : Specific

9 Quality Level

N : Commercial Grade
 B : Industrial Grade
 S : Space Grade

10 Screening Option

0 : The Space Quality Grade corresponds to the ESA Qualified Quality Grade for Space applications (Category 1 hybrid Manufacturer as per ECSS-Q-ST-60-05C).

P : The Space Quality Grade corresponds to the NASA PEM Selection, Screening and Qualification Flow ref. PEM-INST-002.

Y : The Space Quality Grade corresponds to the Class Y Screening and Qualification Flow.

H : The Industrial Quality Grade corresponds to the Class H Screening and Qualification Flow of the MIL-PRF-38534.

C : Custom screening as per Custom Product Detail Specification.

11 Radiation Assurance (Optional)

R : Radiation Data Tested
 A : Generic Radiation Data Available
 0 : Not Applicable

12 Module Option

: No Option*

A : "ARATHANE" Finish
 S : "SOLITHANE 113" Finish
 L : SnPb termination
 M : "MAPSIL" Finish
 T : TANTALUM Shielding
 G : Gullwing

** By default, there is neither finishing nor shielding.*