

3D PLUS INTERFACE MODULE P/N DECODER

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

Ex: 3DLV3108VS1373 IB H R M

1 Type

LV: LVDS

LT: LVTH, LVTLS

RC: Rad-Hard CMOS

2 Sub-type

31: Driver

32: Receiver

33: Transceiver

34: Repeater

35: 3-input majority voter

217: Serializer

218: Deserializer

162245: LVTH

163245, 164245: LVTLS

3 Bus width

01: x1 bit

08: x8 bits

32: x32 bits

48: x48 bits

72: x72 bits

nn: xnn bits

04: x4 bits

16: x16 bits

40: x40 bits

64: x64 bits

80: x80 bits

4 Voltage supply

C: 5.00 V

V: 3.30 V

S: 2.80 V

T: 2.50 V

U: 1.80 V

E: 1.65V-5.50V

W: 1.50 V

Y: 1.35 V

L: 1.20 V

D: 1.20V-5.50V

For dual voltage modules, the lowest voltage supply is used.

5 Package

B: BGA

C: Connector

F: Flat Pack

J: QFJ

L: LGA

P: PGA

Q: QFP

S: SOP

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 or Datasheet number

8 Temperature range

C: +0 °C to +70 °C

I: -40 °C to +85 °C

M: -55 °C to +125 °C

S: Specific

3D PLUS S.A.S. reserves the right to change without notice – 3DPI-1010-4 - Revision 05/27/2026.

I 9 Screening level

N: Commercial grade

B: Industrial grade

S: Space grade

I 10 Screening and LAT options

: The Space grade is derived from the ESA Qualified Quality Grade for Space applications (Category 1 hybrid Manufacturer as per ECSS-Q-ST-60-05C).

1: The Space grade is derived from the ESA Qualified Quality Grade for Space applications (Category 1 hybrid Manufacturer as per ECSS-Q-ST-60-05C and ECSS-Q-ST-60-13C).

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

H: Burn-in is performed according to MIL-STD-883 Method 1015 (class level S) on industrial grade modules

C: Custom screening as per Custom Product Detail Specification

I 11 Radiation assurance for space grade modules

A: Generic Radiation Data Delivered

I 12 Module Options

: No option by default

A: "ARATHANE" finish

L: SnPb termination

M: "MAPSIL" finish