SOT758-1

plastic thermal enhanced very thin quad flat package; no leads; 16 terminals; body 3 x 3 x 0.85 mm

8 February 2016 **Package information**

1. Package summary

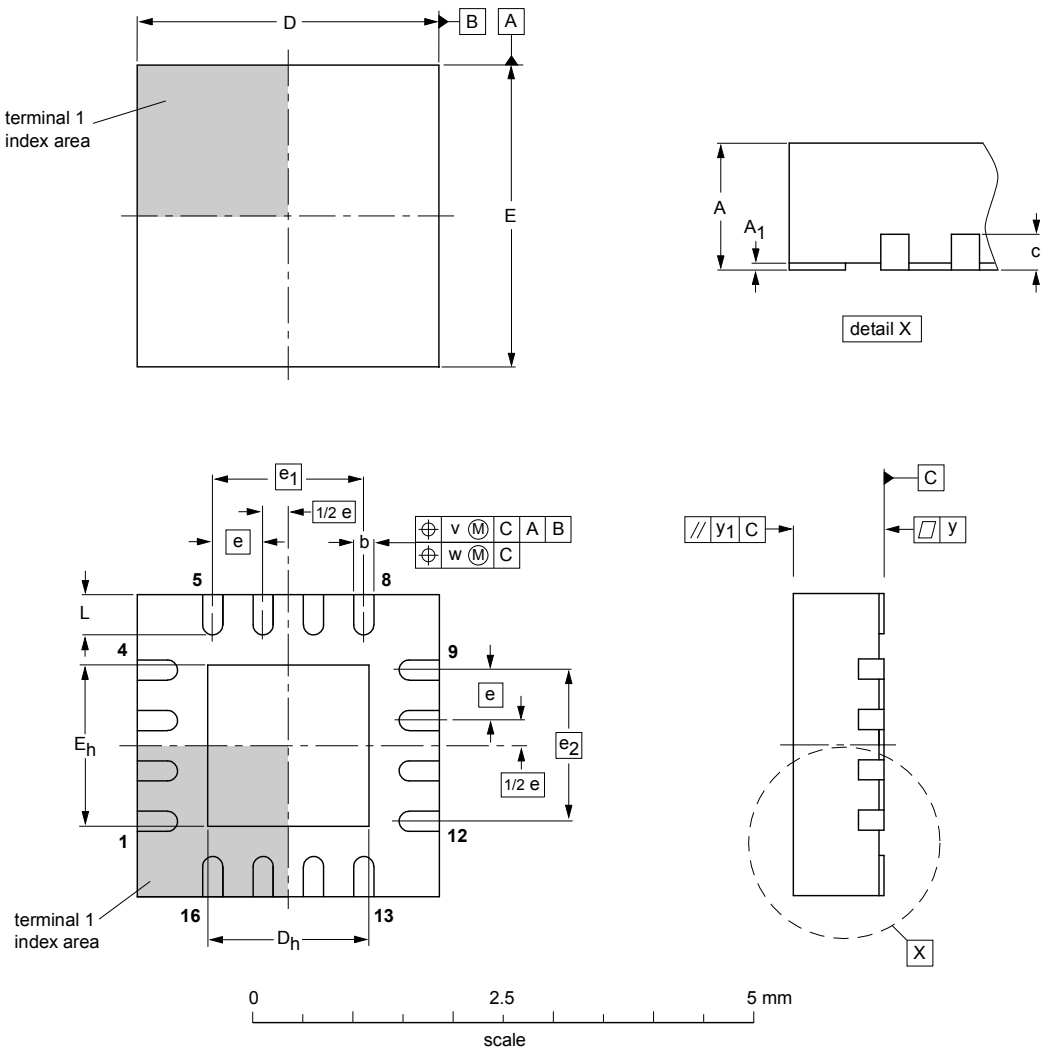
Terminal position code	Q (quad)
Package type descriptive code	HVQFN16
Package type industry code	HVQFN16
Package style descriptive code	HVQFN (thermal enhanced very thin quad flatpack; no leads)
Package style suffix code	NA (not applicable)
Package body material type	P (plastic)
JEDEC package outline code	MO-220
Mounting method type	S (surface mount)
Issue date	21-10-2002

Table 1. Package summary

Symbol	Parameter		Min	Typ	Nom	Max	Unit
D	package length		2.9	-	3	3.1	mm
E	package width		2.9	-	3	3.1	mm
A	seated height		[tbd]	-	0.85	1	mm
A_2	package height		[tbd]	-	0.85	[tbd]	mm
n_2	actual quantity of termination		-	-	16	-	

2. Package outline

HVQFN16: plastic thermal enhanced very thin quad flat package; no leads; 16 terminals; body 3 x 3 x 0.85 mm **SOT758-1**



DIMENSIONS (mm are the original dimensions)

UNIT	$A^{(1)}$ max.	A_1	b	c	$D^{(1)}$	D_h	$E^{(1)}$	E_h	e	e_1	e_2	L	v	w	y	y_1
mm	1	0.05 0.00	0.30 0.18	0.2	3.1 2.9	1.75 1.45	3.1 2.9	1.75 1.45	0.5	1.5	1.5	0.5 0.3	0.1	0.05	0.05	0.1

Note

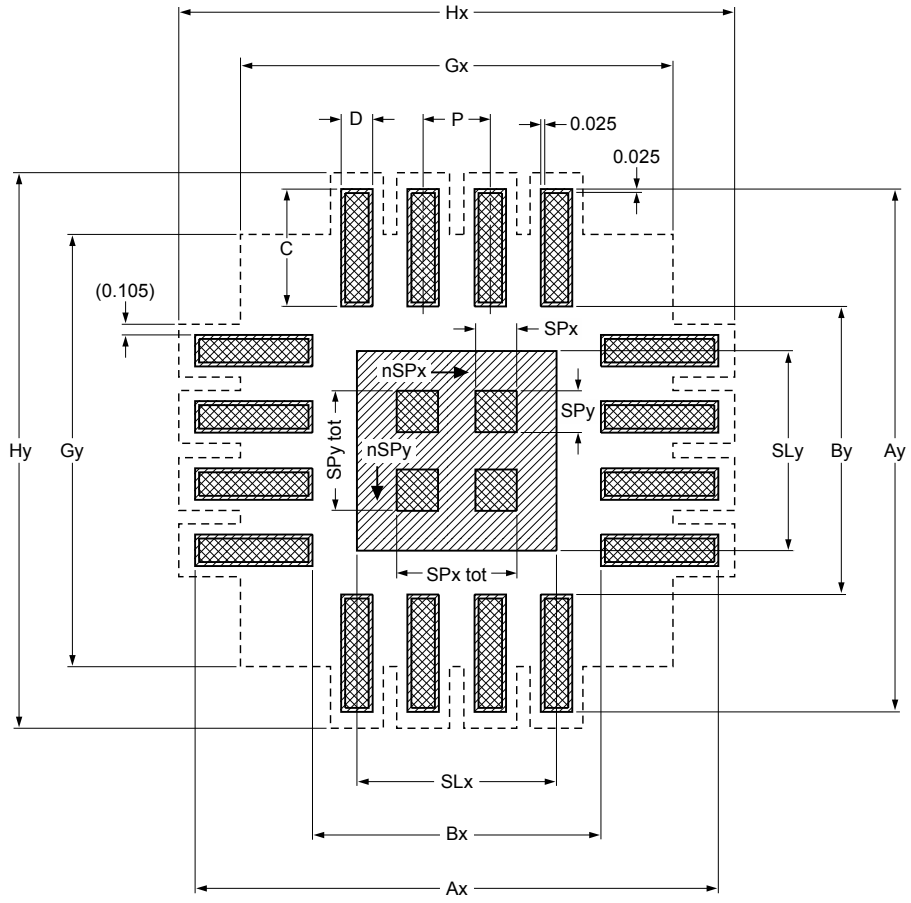
1. Plastic or metal protrusions of 0.075 mm maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT758-1	- - -	MO-220	- - -			~~02-03-25~~ 02-10-21

Fig. 1. Package outline HVQFN16 (SOT758-1)

3. Soldering

Footprint information for reflow soldering of HVQFN16 package **SOT758-1**



solder land

solder paste deposit

solder land plus solder paste

occupied area

nSPx	nSPy
2	2

Dimensions in mm

P	Ax	Ay	Bx	By	C	D	SLx	SLy	SPx tot	SPy tot	SPx	SPy	Gx	Gy	Hx	Hy
0.50	4.00	4.00	2.20	2.20	0.90	0.24	1.50	1.50	0.90	0.90	0.30	0.30	3.30	3.30	4.25	4.25

Issue date ~~12-03-07~~ 12-03-08 *sot758-1_fr*

Fig. 2. Reflow soldering footprint for HVQFN16 (SOT758-1)

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5. Contents

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