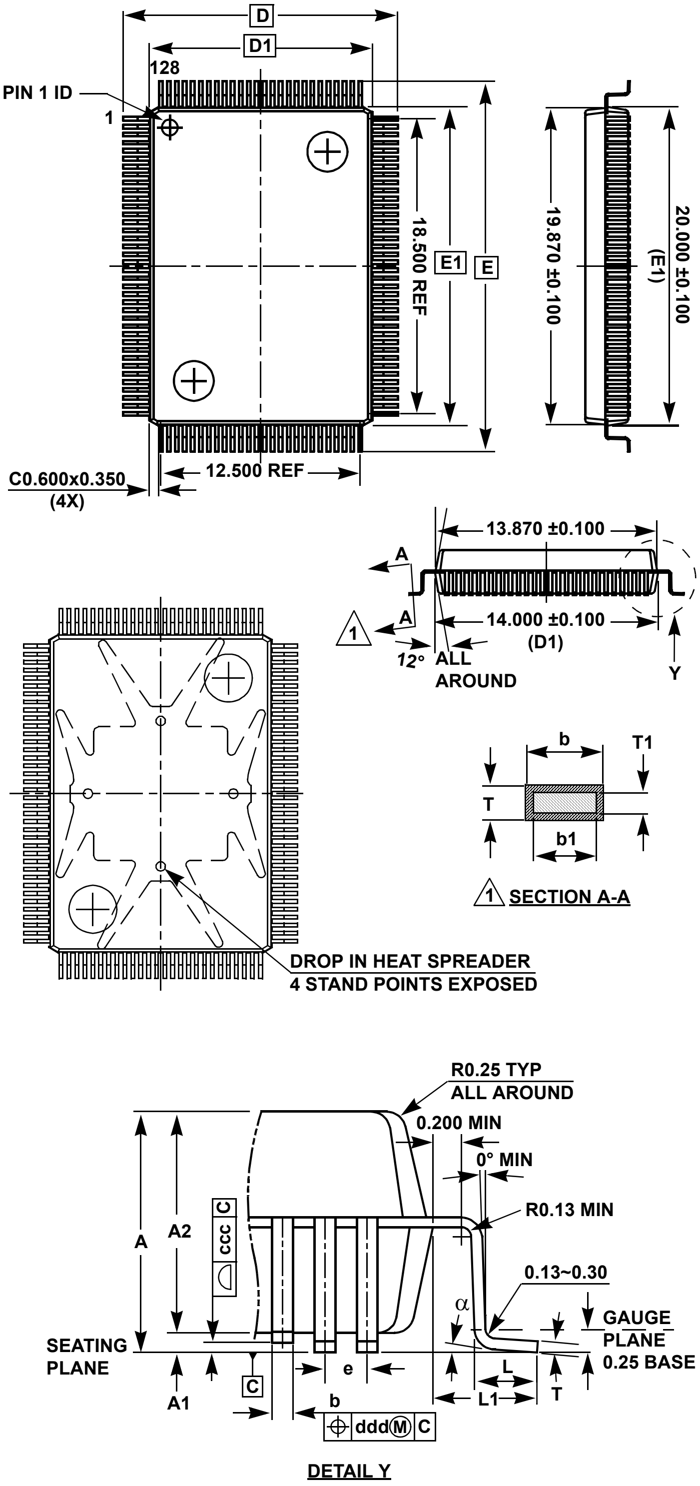
Metric Plastic Quad Flatpack Packages (MQFP)



MDP0055

14x20mm 128 LEAD MQFP (WITH AND WITHOUT HEAT SPREADER) 3.2mm FOOTPRINT

SYMBOL	DIMENSIONS (MILLIMETERS)	REMARKS
A	Max 3.40	Overall height
A1	0.250~0.500	Standoff
A2	2.750 ±0.250	Package thickness
α	0°~7°	Foot angle
b	0.220 ±0.050	Lead width ⚠1
b1	0.200 ±0.030	Lead base metal width ⚠1
D	17.200 ±0.250	Lead tip to tip
D1	14.000 ±0.100	Package length
E	23.200 ±0.250	Lead tip to tip
E1	20.000 ±0.100	Package width
e	0.500 Base	Lead pitch
L	0.880 ±0.150	Foot length
L1	1.600 Ref.	Lead length
T	0.170 ±0.060	Frame thickness ⚠1
T1	0.152 ±0.040	Frame base metal thickness ⚠1
ccc	0.100	Foot coplanarity
ddd	0.100	Foot position

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NOTES:

1. General tolerance: Distance ±0.100, Angle +2.5°.
2. ⚠1 Matte finish on package body surface except ejection and pin 1 marking (Ra 0.8~2.0um).
3. All molded body sharp corner RADII unless otherwise specified (Max RO.200).
4. Package/Leadframe misalignment (X, Y): Max. 0.127
5. Top/Bottom misalignment (X, Y): Max. 0.127
6. Drawing does not include plastic or metal protrusion or cutting burr.
7. ⚠2 Compliant to JEDEC MS-022.