NOTES : UNLESS OTHERWISE SPECIFIED

1	UNSPECIFIED CRITERIA FOR RAW FRAMES. INSPECT PER : HPQI 02355						
2	ALL SPECIFIED CRITERIA APPLICABLE TO FINISH PRODUCT.						
3	ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.						
4	DIMENSIONS ARE SYMMETRICAL ABOUT THE CENTERLINE EXCEPT AS SHOWN.						
5	SHARP CORNER REQUIRED FOR ALL LEAD TIPS.						
6	MATERIAL TYPE/THICKNESS : ALLOY42/.005±.0005 & .0065±.0005 UNCOINED						
7	RADII'S ON ALL CORNERS UNLESS OTHERWISE SPECIFIED.			MAX.	.005		
8	BURR	LEAD TIP	VERTICAL	MAX.	.001		
			HORIZONTAL	MAX.	.002		
		ALL OTHER AREAS	VERTICAL	MAX.	.002		
			HORIZONTAL	MAX.	.003		
9	METAL TO METAL SPACING.			MIN.	.006		
10	LEAD PLANARITY			+VE.	.004	−VE.	.004
11	LEAD COPLANARITY			MAX.	.007		
12	ALUMINIUM THICKNESS.			200 − 500 MICRO INCHES.			
13	FRAMES SUPPLIED IN SINGULATED UNITS.						

OPTION TABLE

OPT #	CAVITY SIZE	CAVITY CONFIGURATION	FORM CONFIGURATION	TOP FORM ±.003	BOTTOM FORM ±.015	EXTERNAL CONFIGURATION	LEAD SHOULDER CONFIGURATION
01	.130 ROUND	A	−	−	−	A	−
02	.130 X .130	B	−	−	−	A	−
03	.130 X .160	C	−	−	−	A	−
04	.140 X .200	D	−	−	−	A	−
05	.140 X .200	E	−	−	−	A	−
06	.130 X .100	F	−	−	−	A	−
07	.130 X .100	G	−	−	−	A	−

RADII	
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −
R	MK'D −

UNLESS SPECIFIED:
2 PL TOL± N/A
3 PL TOL±.003
4 PL TOL±.003
< TOL±1°

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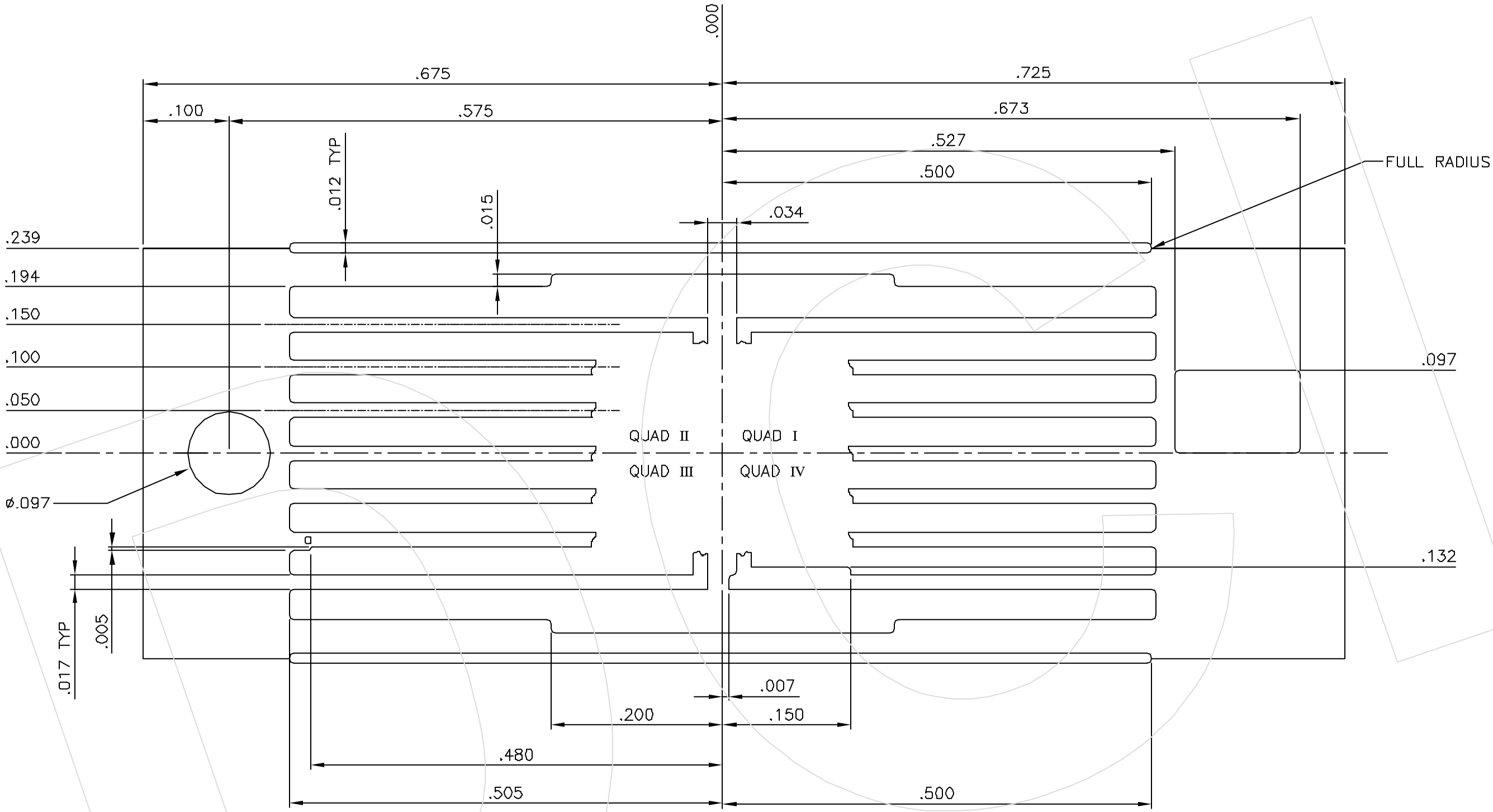
PENANG, MALAYSIA.

DRN. BY: AKMA	230503	TITLE : 14 LEAD CERPACK	SHEET 1 OF 10
CK'D BY: CL GAN	250503		
FILENAME: FADR−03021−D.dwg			
SCALE: FULL	PAPER SIZE: B	DWG.NO: FADR−03021	REVISION : D
CAVITY SIZE : N/A	CAVITY CONFIGURATION: N/A	LEAD SHOULDER CONFIGURATION: N/A	EXTERNAL LEAD CONFIGURATION: N/A

VALID ONLY IF VIEWED ONLINE OR STAMPED "CONTROLLED" IN RED BY DOCUMENT CONTROL



EXTERNAL CONFIGURATION "A"
8X SCALE

RADII			
.005	R	UNMK'D	–
.003	R	MK'D	– a
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–
	R	MK'D	–

UNLESS SPECIFIED:
2 PL TOL± N/A
3 PL TOL±.003
4 PL TOL±.003
< TOL±1°

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DRN. BY: AKMA	230503	TITLE : 14 LEAD CERPACK
CK'D BY: CL GAN	250503	
FILENAME: FADR-03021-D.dwg		

SCALE: AS NOTED	PAPER SIZE: B	DWG.NO: FADR-03021	REVISION : D
CAVITY SIZE : EXTERNAL	CAVITY CONFIGURATION: N/A	LEAD SHOULDER CONFIGURATION: N/A	EXTERNAL LEAD CONFIGURATION: A

SHEET 2 OF 10

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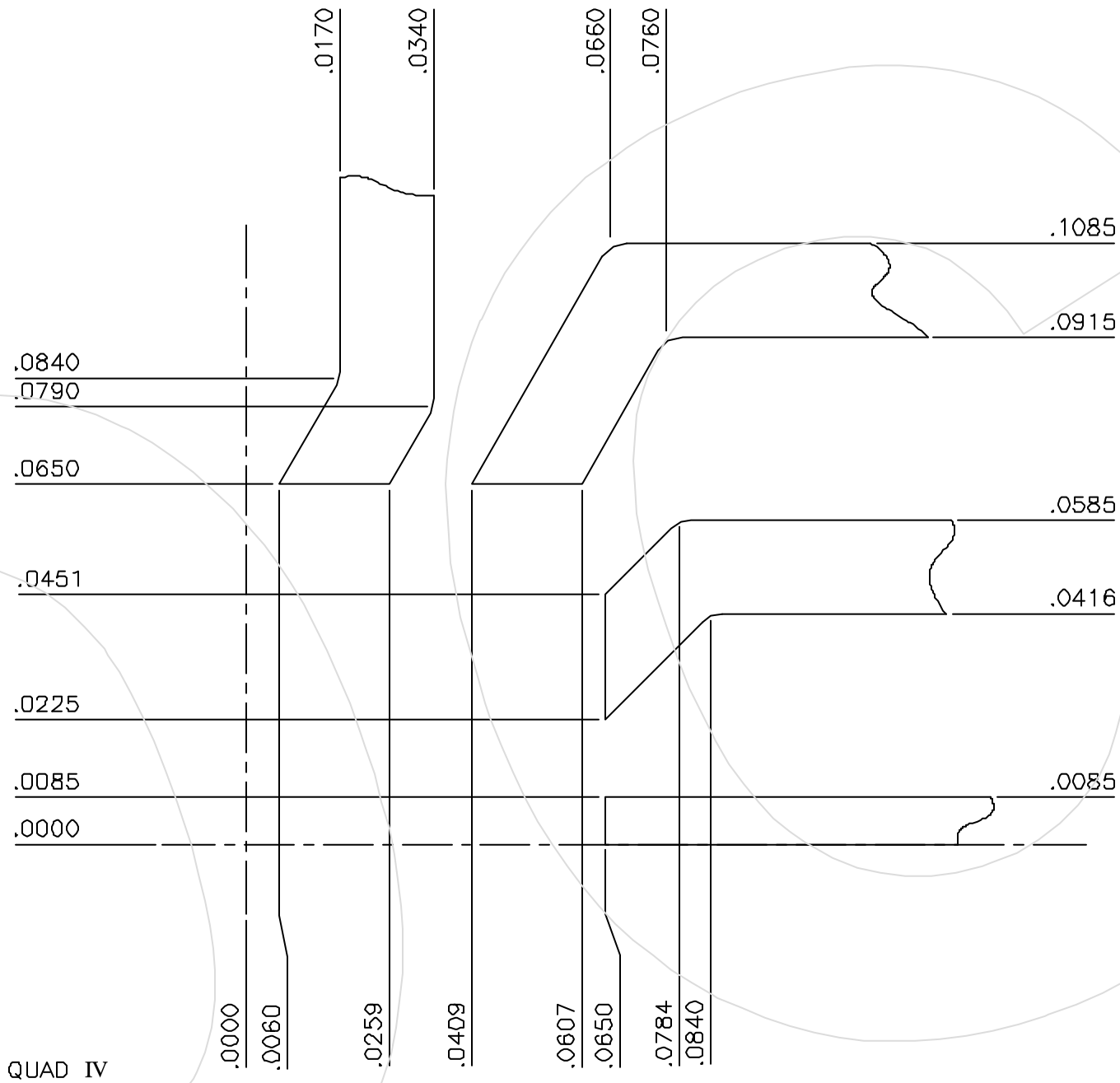
TEMPLATE REV E



NOTE :
LEAD #1 ID IN QUAD IV

RADII		
.005	R	UNMK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –
	R	MK'D –

UNLESS SPECIFIED:
2 PL TOL± N/A
3 PL TOL±.003
4 PL TOL±.003
< TOL±1°

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SHEET 4 OF 10

DRN. BY: AKMA	230503	TITLE : 14 LEAD CERPACK
CK'D BY: CL GAN	250503	
FILENAME: FADR-03021-D.dwg		

SCALE: 35X	PAPER SIZE: B	DWG.NO: FADR-03021	REVISION : D
CAVITY SIZE : .130 X .130	CAVITY CONFIGURATION: B	LEAD SHOULDER CONFIGURATION: N/A	EXTERNAL LEAD CONFIGURATION: N/A

VALID ONLY IF VIEWED ONLINE OR STAMPED "CONTROLLED" IN RED BY DOCUMENT CONTROL

TEMPLATE rev C

REVISION HISTORY

REVISION	DESCRIPTION	ENGINEER	DATE	ECN #
A	INITIAL RELEASE	S. GONDHALEKAR	MARCH 09 1993	N/A
B	CHANGE GENERAL TOLERANCE XXX±.003. ADD NOTE FOR PLANARITY/CO-PLANARITY AT SPEC OF ±.004/.007 MAX	G. FELENTZER	JAN 06 1997	N/A
C	UPDATED RELEASE	AMP	AUG 14 2000	N/A
D	UPDATE SHEET #1, NOTE #1, CHANGE TO NEW FADR FORMAT & ADD ECN # COLUMN IN REVISION HISTORY.	CL GAN	20 JUN 2003	DR0306025

DOCUMENT

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RADII	
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –
R	MK'D –

UNLESS SPECIFIED:
2 PL TOL± N/A
3 PL TOL±.003
4 PL TOL±.003
< TOL±1°

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DRN. BY: AKMA 260503
CK'D BY: CL GAN 280503
FILENAME: FADR-03021-D.dwg

TITLE : 14 LEAD CERPACK

SCALE: FULL | PAPER SIZE: B | DWG.NO: FADR-03021 | REVISION : D

CAVITY SIZE : N/A | CAVITY CONFIGURATION: N/A | LEAD SHOULDER CONFIGURATION: N/A | EXTERNAL LEAD CONFIGURATION: N/A

TEMPLATE rev C