375

Z-COMM
XXXXXXXX-LF
W/O#
D/C

P1, P2, P3, P4

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION

Pin	Function
P1	Vmod (Opt)
P2	RF OUT
P3	Vt
P4	Vcc

MINI-14H

Z-COMM
XXXXXXXX-LF
W/O#
D/C

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

PACKAGE	H
MINI-14H	0.220
MINI-14H-LOW	0.160
MINI-14H-L	0.130

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION

Pin	Function
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

MINI-14MS

Z-COMM
XXXXXXXX-LF
W/O#
D/C

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

PACKAGE	H
MINI-14MS	0.220
MINI-14MS-LOW	0.160

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION

Pin	Function
P1	Vt
P2	RF Out
P3	Vcc
P4	MOD
REST	GROUND

MINI-14S

Z-COMM
XXXXXXXX-LF
W/O#
D/C

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

PACKAGE	H
MINI-14S	0.220
MINI-14S-LOW	0.160
MINI-14S-L	0.130
MINI-14S-UL	0.100

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION

Pin	Function
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

MINI-16

Z-COMM
XXXXXXXX-LF
W/O#
D/C

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

PACKAGE	H
MINI-16	0.220
MINI-16-LOW	0.160
MINI-16-L	0.130
MINI-16-UL	0.100
MINI-16-EL	0.085

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION

Pin	Function
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

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Email: applications@zcomm.com | URL: www.zcomm.com

MINI-16H

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

DETAIL-A

Z-COMM XXXXXXXX-LF W/O# D/C

PACKAGE	H
MINI-16H-T	0.220
MINI-16H	0.160
MINI-16H-L	0.130

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

MINI-16HL-SM

SOLDER MASK
GOLD PLATED PADS

DETAIL-A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

Z-COMM XXXXXXXX-LF W/O# D/C

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

MINI-16M

DETAIL-A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

Z-COMM XXXXXXXX-LF W/O# D/C

PACKAGE	H
MINI-16M	0.220
MINI-16M-LOW	0.160
MINI-16M-L	0.130

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
P4	MOD
REST	GROUND

MINI-16-SM

SOLDER MASK
GOLD PLATED PADS

DETAIL-A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

Z-COMM XXXXXXXX-LF W/O# D/C

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

MINI-16SM-SP

SOLDER MASK

DETAIL-A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

Z-COMM XXXXXXXX-LF W/O# D/C

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS

PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

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MINI-16SM-SP1

SOLDER MASK

0.115 0.215 0.315 0.415

0.500
0.405
0.305
0.205
0.105
0.000

BOTTOM

0.415
0.315
0.215
0.210
0.150
0.115

0.000 0.085 0.135 0.185 0.285 0.385 0.435 0.500

A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

0.045
0.075
0.031
0.052
0.114
R0.015

DETAIL-A

0.150 TYP
0.220
0.025 TYP   0.035

P2

Z-COMM
XXXXXXXX-LF
W/O#
D/C

P3

P1

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 0.085 0.185 0.285 0.385 0.500

0.470
0.415
0.315
0.215
0.115
0.000
0.070 TYP

0.030 MIN. CUTBACK FROM LIVE PADS

0.500
0.405
0.305
0.205
0.105
0.060 TYP

0.000 0.115 0.215 0.315 0.415 0.470

PIN CONFIGURATION

P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

SUB MINI

0.300
2X 0.240
2X 0.180
2X 0.120
0.000

BOTTOM

0.000 0.060 2X 0.120 2X 0.180 0.300

A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

0.020
0.040   0.040
0.080

DETAIL-A

0.090 TYP
H
0.025   0.015 TYP

P2

Z-COMM
XXXXXXXX-LF
W/O#
D/C

P3

P1

PACKAGE	H
SUB MINI	0.110
SUB MINI-L	0.080

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.000 0.120 2X 0.180 2X 0.240 2X 0.300

0.300
0.240 2X
0.180 2X
0.120 2X
0.000

0.030 MIN. CUTBACK FROM LIVE PADS

0.060 TYP   0.042 TYP

PIN CONFIGURATION

P1	Vt
P2	RF Out
P3	Vcc
REST	GROUND

USSP

0.200
2X 0.161
2X 0.100
2X 0.039
0.000

BOTTOM

0.000 2X 0.039 2X 0.100 2X 0.161 0.200

A

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

0.018 TYP
0.017 TYP   0.030 TYP

DETAIL-A

0.038
0.020

P2

Z-COMM
XXXXXXXX-LF
W/O#
D/C

P3

P1

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.200
0.161
0.100
0.039
0.000

0.030 MIN. CUTBACK FROM LIVE PADS

0.000 2X 0.039 2X 0.100 2X 0.161 0.200

PIN CONFIGURATION

P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

VCO-24H

0.866
2X 0.688
2X 0.603
2X 0.518
2X 0.433
2X 0.348
2X 0.263
2X 0.178
0.000

BOTTOM

A

0.000 2X 0.145 2X 0.230 2X 0.315 2X 0.400 2X 0.485 2X 0.650

0.070
0.030   0.015

DETAIL-A

0.220
0.150 TYP
0.025 TYP   0.035

24 23 22 21 20
1   19
2   18
3   17
4   16
5   15
6   14
7   13

Z-COMM
XXXXXXXX-LF
W/O#
D/C

8 9 10 11 12

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF Ø 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.080 TYP   0.060 TYP   0.866
0.030 MIN. CUTBACK FROM LIVE PADS
2X 0.688
2X 0.603
2X 0.518
2X 0.433
2X 0.348
2X 0.263
2X 0.178   0.060 TYP
0.000   0.070 TYP

0.000 2X 0.145 2X 0.230 2X 0.315 2X 0.400 2X 0.485 2X 0.650

PIN CONFIGURATION

P1	RF OUTPUT
P2-12	GROUND
P13	Vcc
P14-16	GROUND
P17	Vtune
P18-24	GROUND

ZMX-14-SM

GOLD PLATED PADS
SOLDER MASK

0.750
2X 0.575
2X 0.475
2X 0.375
2X 0.275
2X 0.175
0.000

BOTTOM

0.000 2X 0.275 2X 0.475 0.750

A

0.045
0.075
0.031
0.052
0.114
R0.015

DETAIL-A

0.400
0.220   0.025   0.035

P1

Z-COMM
XXXXXXXX-LF
W/O#
D/C

P3

P2

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF / 0.015 ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.750
2X 0.575
2X 0.475
2X 0.375
2X 0.275
2X 0.175
0.000

0.030 MIN. CUTBACK FROM LIVE PADS

0.070 (TYP)
0.080 (TYP)

0.000 2X 0.275 2X 0.475 0.750

PIN CONFIGURATION

P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

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