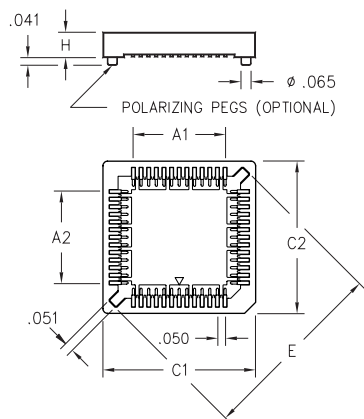
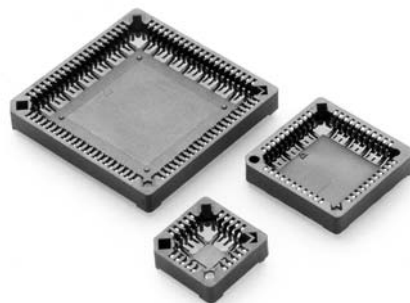


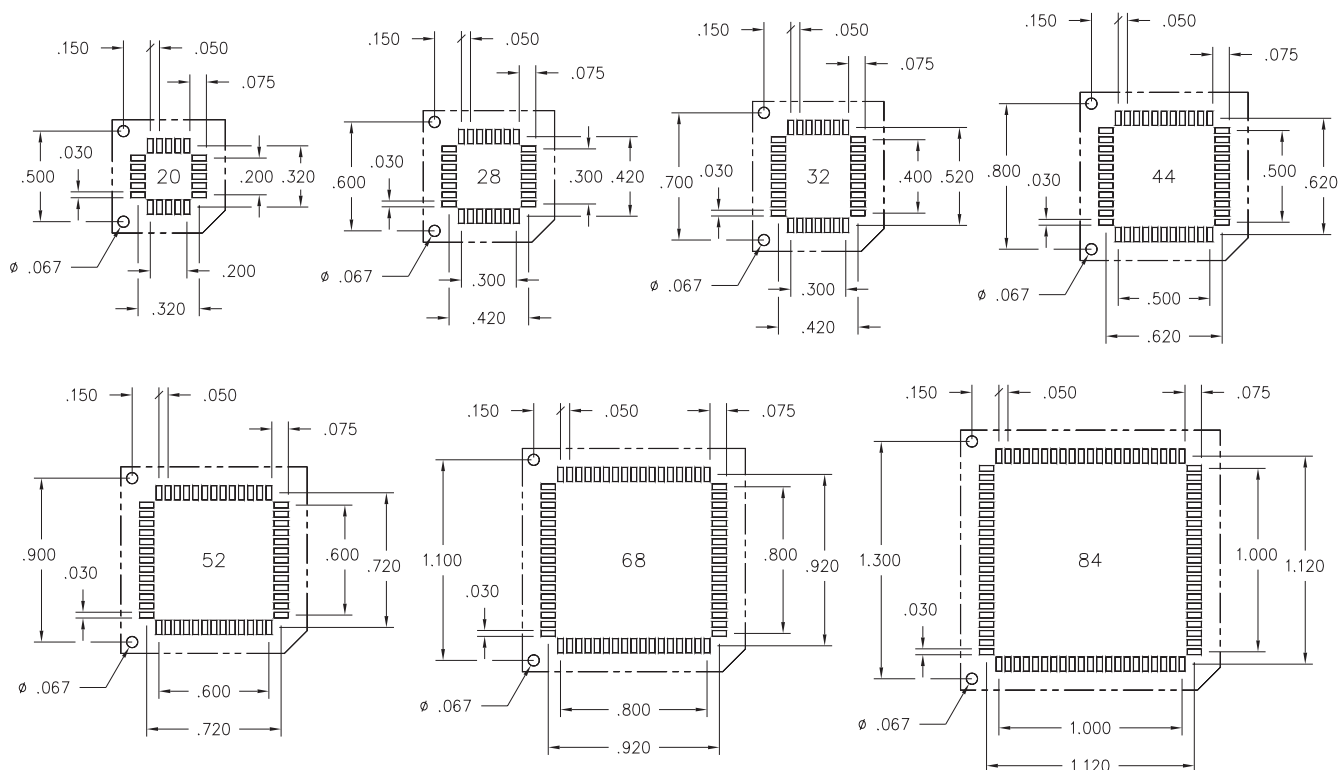


- Note: End stackable.
- Designed for JEDEC type devices.
- Open frame design in solder area improves results of IR soldering and facilitates visual inspection of solder pads.
- The brown PPS (Ryton R-4) insulator has optional polarizing pegs (PP).
- PLCC chip extraction tool available, see page 96.



SURFACE MOUNT

PCB LAYOUT FOR SURFACE MOUNT

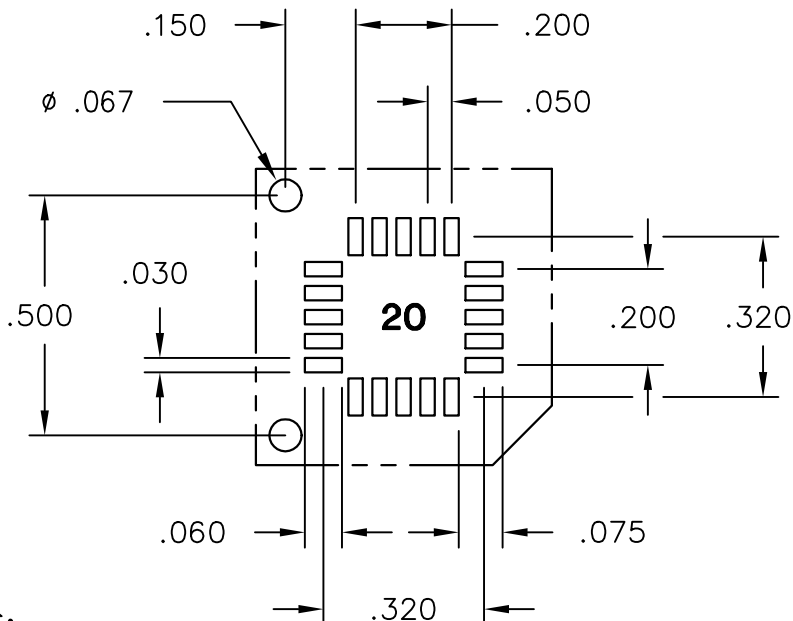


AVAILABLE PACKAGED IN TUBES OR ON TAPE AND REEL PER EIA-481

No. of Pins	ORDERING INFORMATION	A1	A2	C1	C2	E	H	Qty. per Tube	Tape Width mm	Qty. per Reel
20	540-99-020-17-400X0X	.200	.200	.585	.585	.657	.180	34	24	490
28	540-99-028-17-400X0X	.300	.300	.685	.685	.799	.180	29	32	400
32*	540-99-032-17-400X0X	.300	.400	.670	.770	.885	.148	26	32	400
44	540-99-044-17-400X0X	.500	.500	.885	.885	1.082	.180	22	44	250
52	540-99-052-17-400X0X	.600	.600	1.000	1.000	1.224	.180	20	44	250
68	540-99-068-17-400X0X	.800	.800	1.202	1.202	1.507	.180	16	44	250
84	540-99-084-17-400X0X	1.000	1.000	1.400	1.400	1.791	.180	14	56	200
X= 0 Without PP X= 0 Tube Packaged X= 2 With PP X= 4 Tape and Reel										

ALL SERIES 540 CONTACTS ARE PLATED TIN/LEAD. SEE PAGE 96 FOR TECHNICAL SPECIFICATIONS.

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



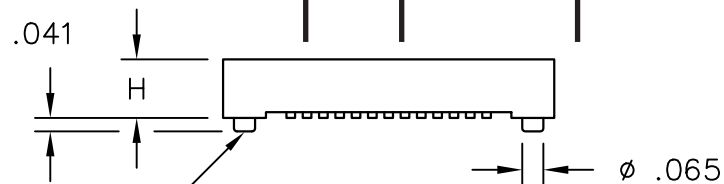
ORDER AS:

540-99-020-17-400X0X

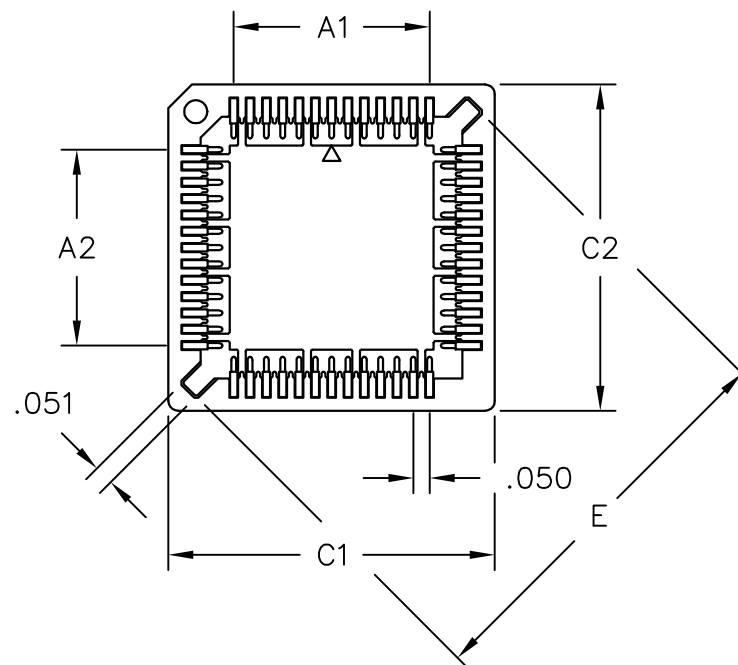
X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Polarizing Pegs (OPTIONAL)



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Tube	Qty. per Reel	Tape Width mm
20	.200	.200	.585	.585	.657	.180	34	490	24mm



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ALL DIMENSIONS IN INCHES

PIN TOLERANCES
BEFORE PLATING

LENGTHS: ±.005
DIAMETERS: ±.002
ANGLES: ±2°

INSULATOR
TOLERANCES

LENGTHS: ±.005
THICKNESS: ±.003
HOLE TO HOLE: ±.001
NON ACCUMULATIVE

DATE

10/08/02

DRAWN

D.M.

ENG. APPROVAL

SHEET NUMBER

1 of 7

TITLE

20 PIN SMT PLCC PIN-OUT

CUSTOMER APPROVAL

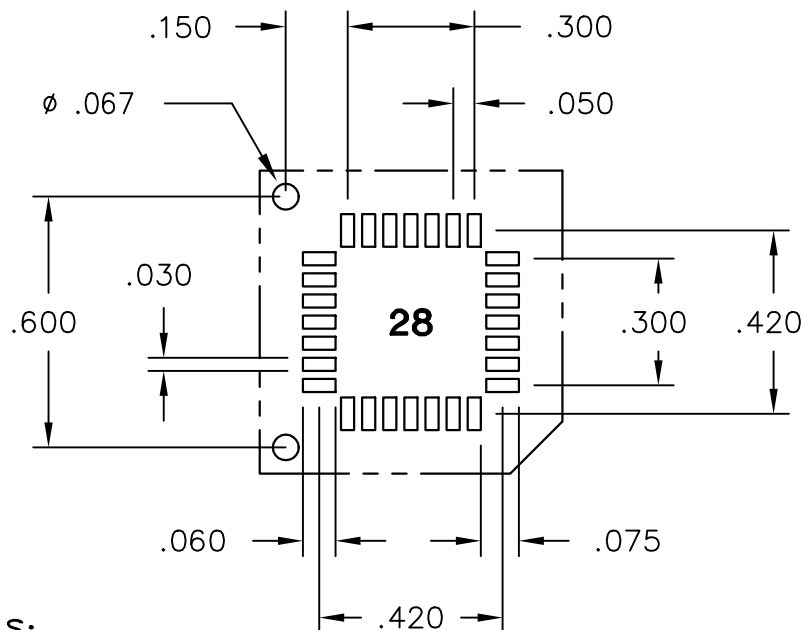
DRAWING NUMBER

540SERIESMT

REV

—

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



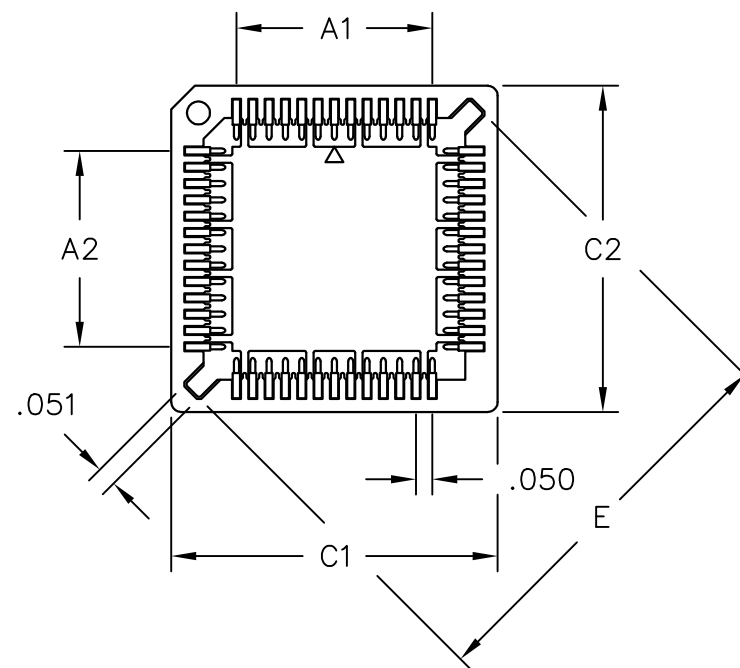
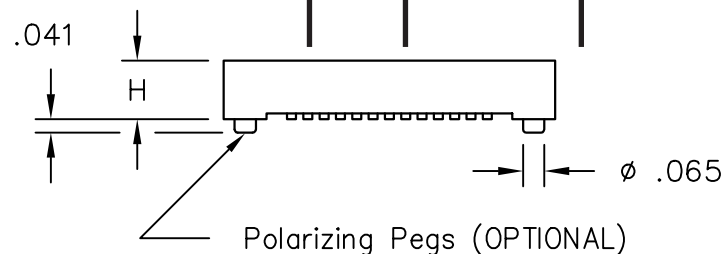
ORDER AS:

540-99-028-17-400X0X

X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices.
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Reel	Qty. per Tube	Tape Width mm
28	.300	.300	.685	.685	.799	.180	29	400	32mm



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ALL DIMENSIONS IN INCHES

PIN TOLERANCES BEFORE PLATING

LENGTHS: ± 0.005
DIAMETERS: ± 0.002
ANGLES: $\pm 2^\circ$

INSULATOR TOLERANCES

LENGTHS: ± 0.005
THICKNESS: ± 0.003
HOLE TO HOLE: ± 0.001
NON ACCUMULATIVE

DATE

10/08/02

DRAWN

D.M.

ENG. APPROVAL

SHEET NUMBER

2 of 7

TITLE

28 PIN SMT PLCC PIN-OUT

CUSTOMER APPROVAL

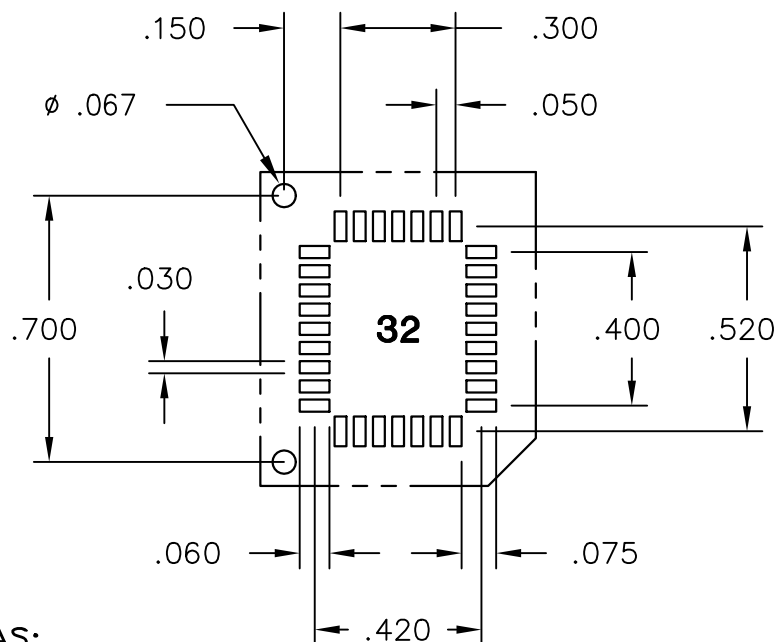
DRAWING NUMBER

540SERIES SMT

REV

—

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



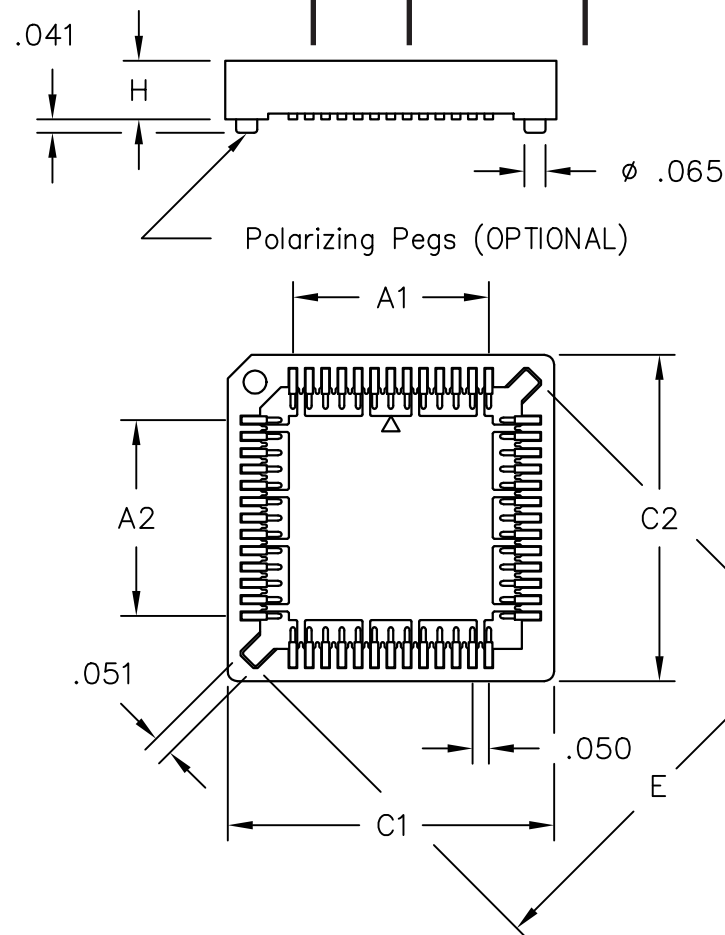
ORDER AS:

540-99-032-17-400X0X

X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices.
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Reel	Qty. per Tube	Tape Width mm
32	.300	.400	.670	.770	.885	.148	26	400	32mm



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ALL DIMENSIONS IN INCHES

PIN TOLERANCES BEFORE PLATING

LENGTHS: ±.005
DIAMETERS: ±.002
ANGLES: ±2°

INSULATOR TOLERANCES

LENGTHS: ±.005
THICKNESS: ±.003
HOLE TO HOLE: ±.001
NON ACCUMULATIVE

DATE

10/08/02

DRAWN

D.M.

ENG. APPROVAL

SHEET NUMBER

3 of 7

TITLE

32 PIN SMT PLCC PIN-OUT

CUSTOMER APPROVAL

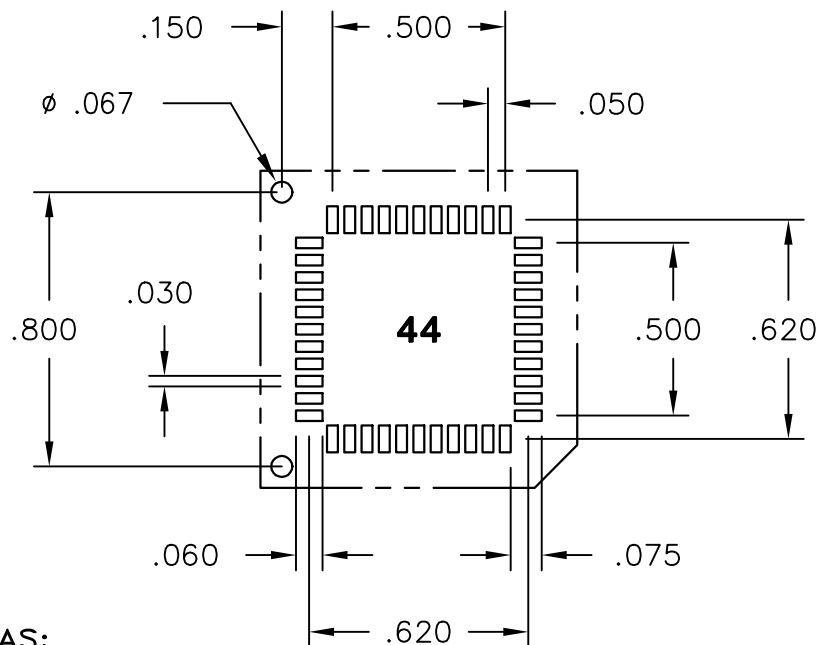
DRAWING NUMBER

540SERIESMT

REV

—

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



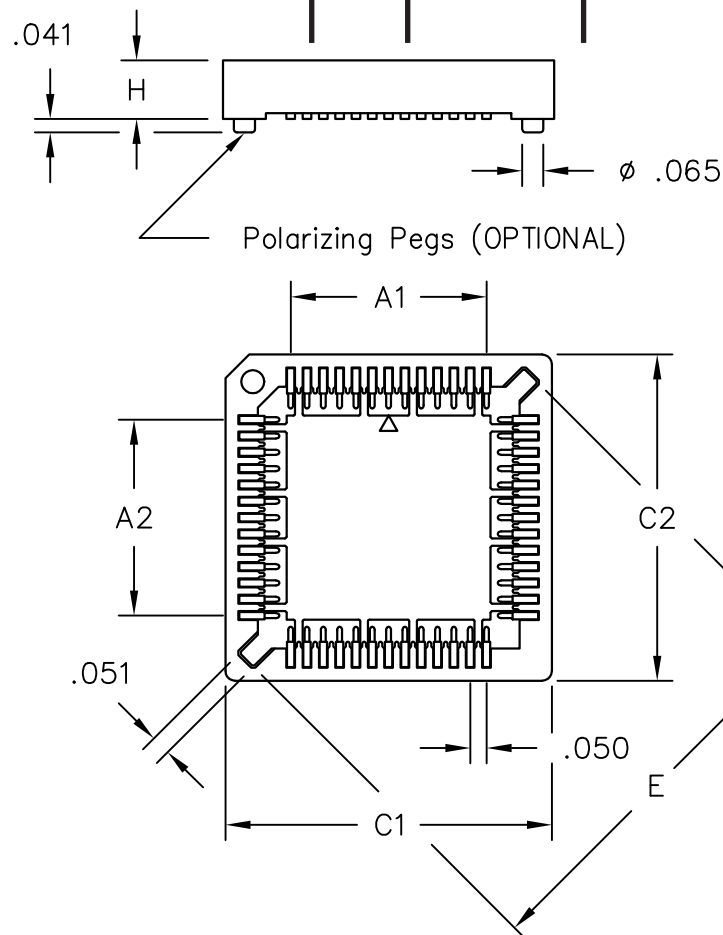
ORDER AS:

540-99-044-17-400X0X

X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices.
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Reel	Qty. per Tube	Tape Width mm
44	.500	.500	.885	.885	1.082	.180	22	250	44mm



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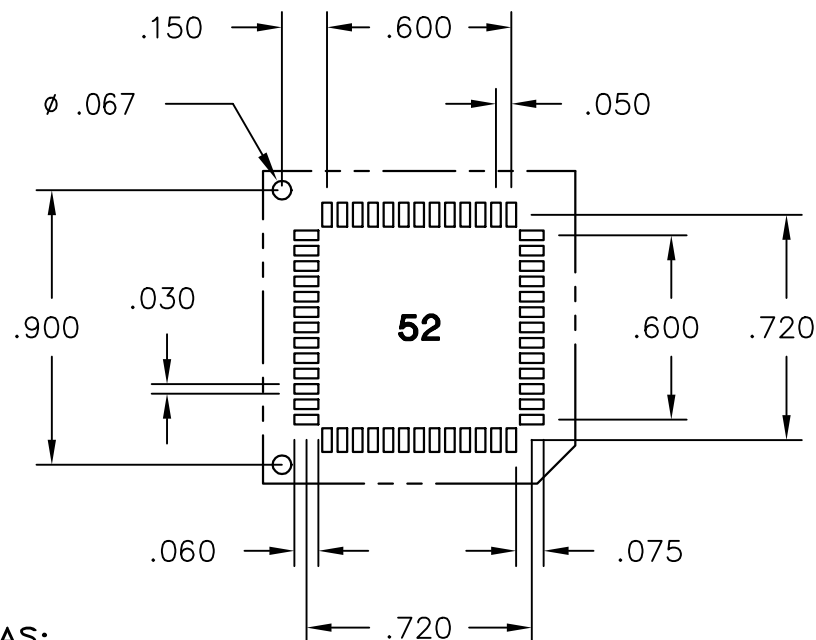
P.O. BOX 300, 190 PINE HOLLOW ROAD, OYSTER BAY, NY 11771-0300
TEL: (516) 922-6000 FAX: (516) 922-9253 WEB: WWW.MILL-MAX.COM

ALL DIMENSIONS IN INCHES

PIN TOLERANCES BEFORE PLATING	INSULATOR TOLERANCES
LENGTHS: ±.005 DIAMETERS: ±.002 ANGLES: ±2°	LENGTHS: ±.005 THICKNESS: ±.003 HOLE TO HOLE: ±.001 NON ACCUMULATIVE

DATE	DRAWN	ENG. APPROVAL	SHEET NUMBER
10/08/02	D.M.		4 of 7
TITLE			
44 PIN SMT PLCC PIN-OUT			
CUSTOMER APPROVAL		DRAWING NUMBER	REV
		540SERIESSMT	—

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



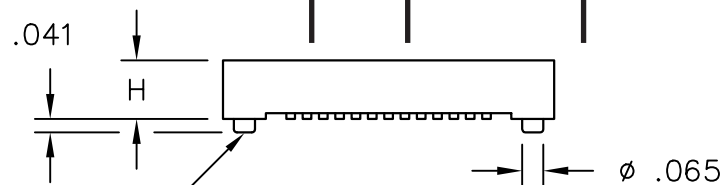
ORDER AS:

540-99-052-17-400X0X

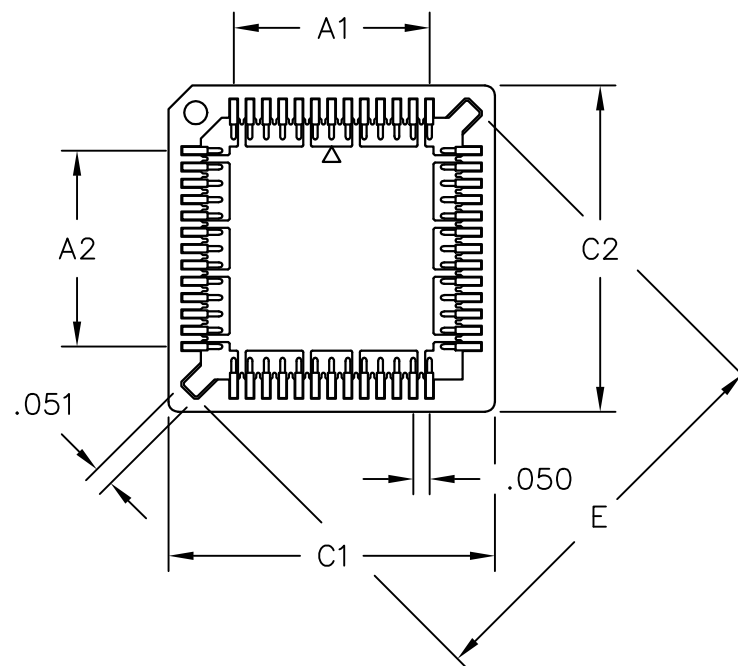
X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices.
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Polarizing Pegs (OPTIONAL)



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Reel	Qty. per Tube	Tape Width mm
52	.600	.600	1.000	1.000	1.224	.180	20	250	44mm



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ALL DIMENSIONS IN INCHES

PIN TOLERANCES
BEFORE PLATING

LENGTHS: ±.005
DIAMETERS: ±.002
ANGLES: ±2°

INSULATOR
TOLERANCES

LENGTHS: ±.005
THICKNESS: ±.003
HOLE TO HOLE: ±.001
NON ACCUMULATIVE

DATE

10/08/02

DRAWN

D.M.

ENG. APPROVAL

SHEET NUMBER

5 of 7

TITLE

52 PIN SMT PLCC PIN-OUT

CUSTOMER APPROVAL

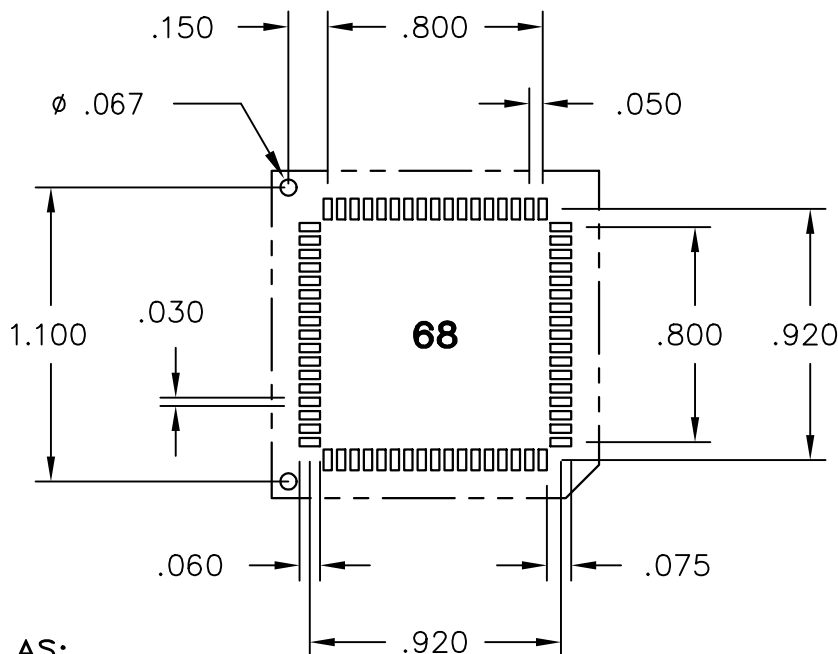
DRAWING NUMBER

540SERIESSMT

REV

—

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



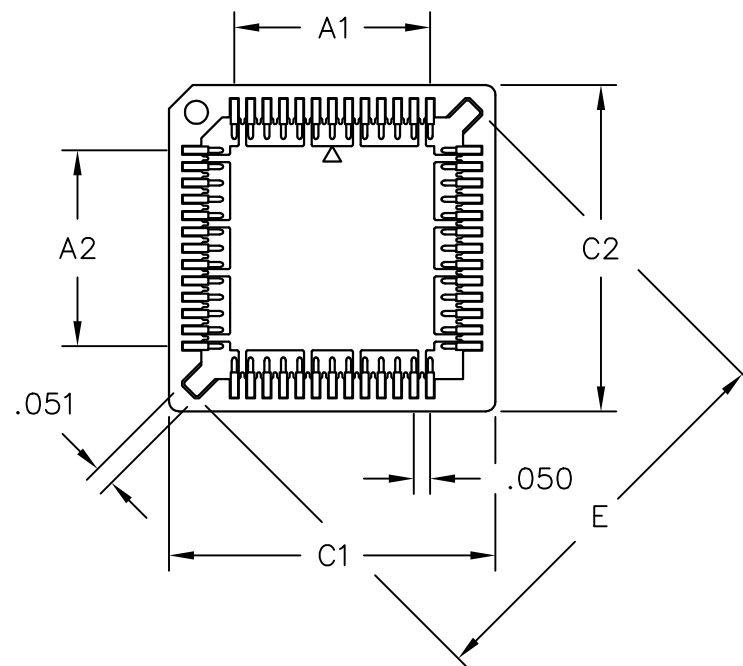
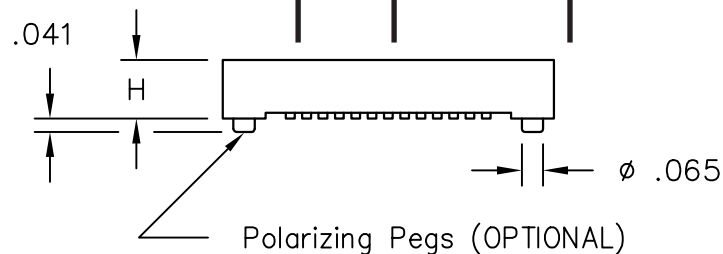
ORDER AS:

540-99-068-17-400X0X

X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices.
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Reel	Qty. per Tube	Tape Width mm
68	.800	.800	1.202	1.202	1.507	.180	16	250	44mm



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ALL DIMENSIONS IN INCHES

PIN TOLERANCES
BEFORE PLATING

LENGTHS: ±.005
DIAMETERS: ±.002
ANGLES: ±2°

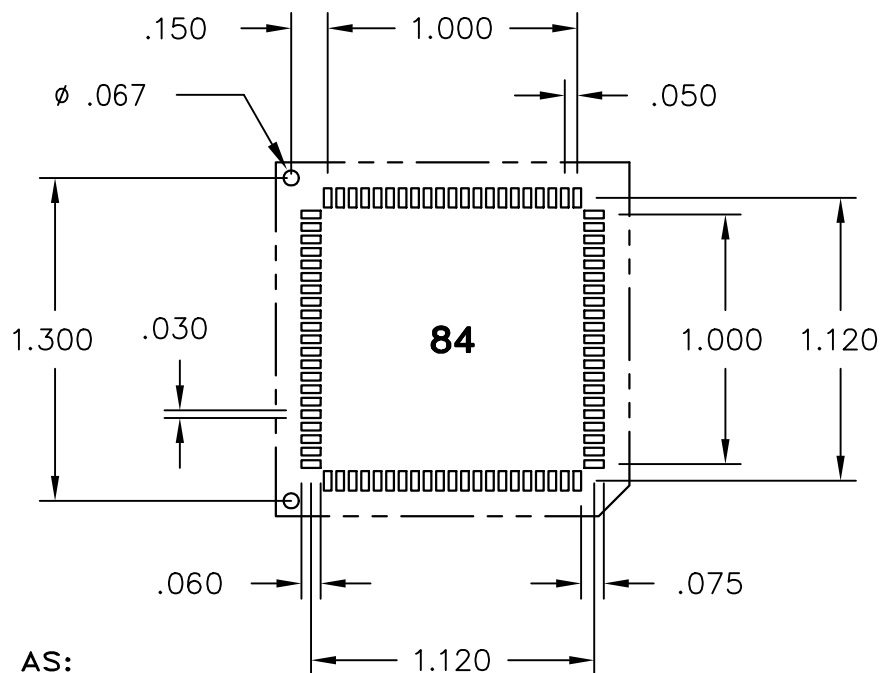
INSULATOR
TOLERANCES

LENGTHS: ±.005
THICKNESS: ±.003
HOLE TO HOLE: ±.001
NON ACCUMULATIVE

DATE	DRAWN	ENG. APPROVAL	SHEET NUMBER
10/08/02	D.M.		6 of 7

TITLE	CUSTOMER APPROVAL	DRAWING NUMBER	REV
68 PIN SMT PLCC PIN-OUT		540SERIESSMT	—

PRINTED CIRCUIT BOARD FOOTPRINT LAYOUT (TOP VIEW)



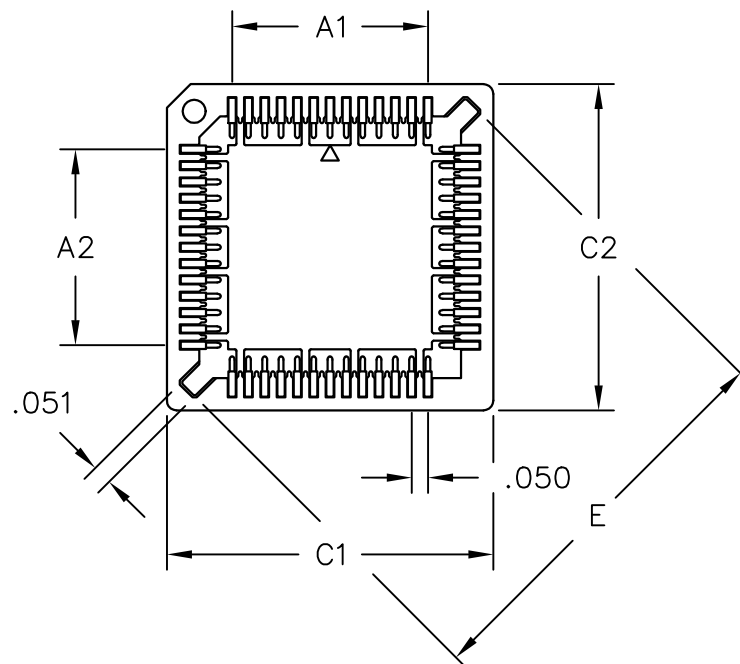
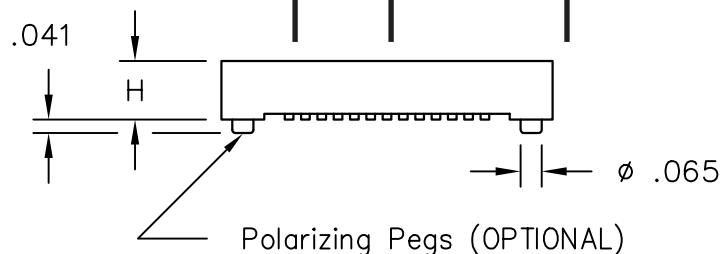
ORDER AS:

540-99-084-17-400XOX

X = 0 TUBE PACKAGED
X = 4 TAPE AND REEL

X = 0 WITHOUT POLORIZING PEGS
X = 2 WITH POLORIZING PEGS

- NOTES: End Stackable.
- Designed for JEDEC type MS-018 & MS-016 devices.
- Contact Material: Copper Alloy.
- Contact Finish: Tin/Lead over Nickel.
- Insulator Material: (Brown) PPS Ryton R-4 Rated
UL 94 V-0.



Pins	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Reel	Qty. per Tube	Tape Width mm
84	1.000	1.000	1.400	1.400	1.791	.180	14	200	56mm



MILL-MAX® MFG. CORP.

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ALL DIMENSIONS IN INCHES

PIN TOLERANCES
BEFORE PLATING

LENGTHS: ±.005
DIAMETERS: ±.002
ANGLES: ±2°

INSULATOR
TOLERANCES

LENGTHS: ±.005
THICKNESS: ±.003
HOLE TO HOLE: ±.001
NON ACCUMULATIVE

DATE	DRAWN	ENG. APPROVAL	SHEET NUMBER
10/08/02	D.M.		7 of 7

TITLE	CUSTOMER APPROVAL	DRAWING NUMBER	REV
84 PIN SMT PLCC PIN-OUT		540SERIESMT	—