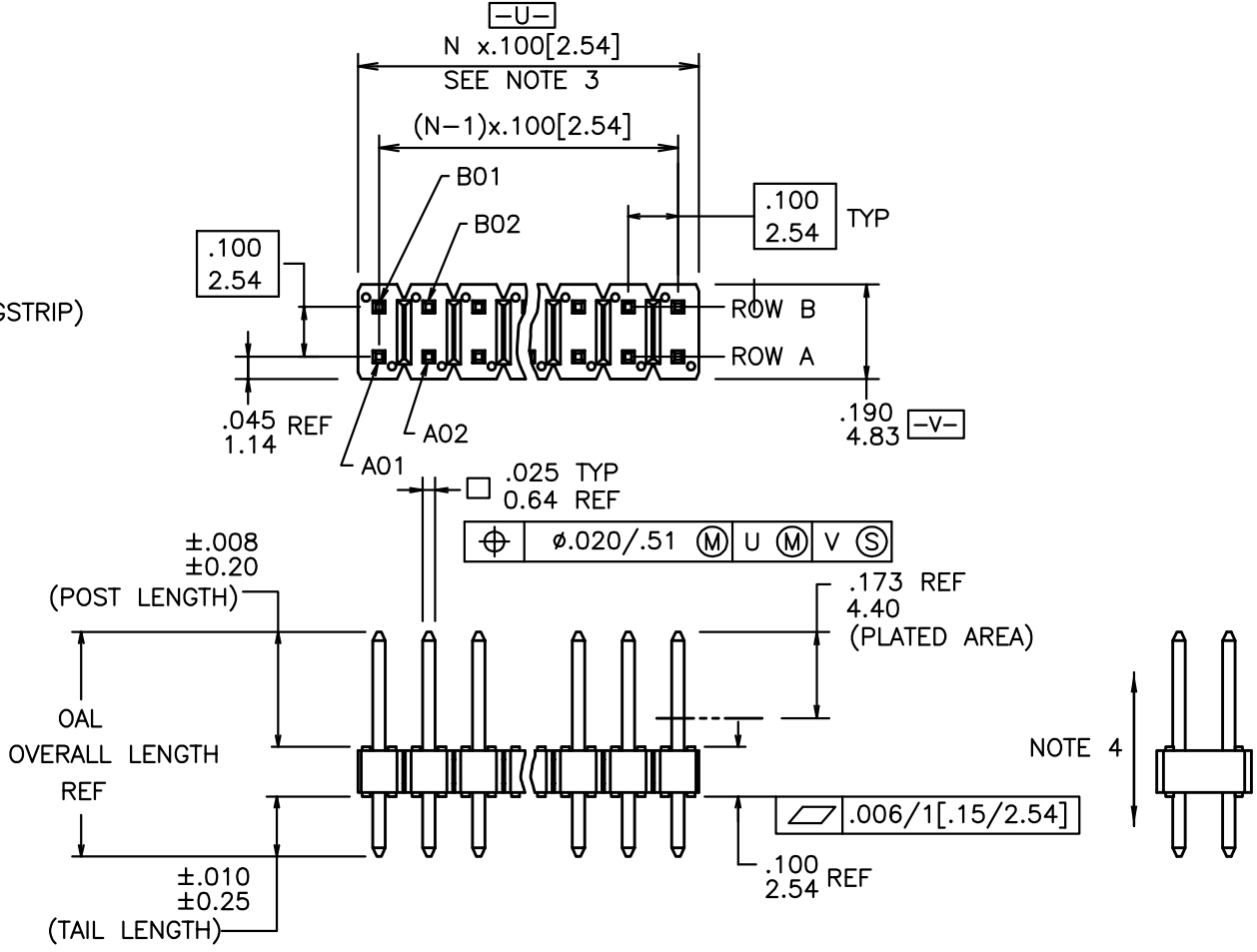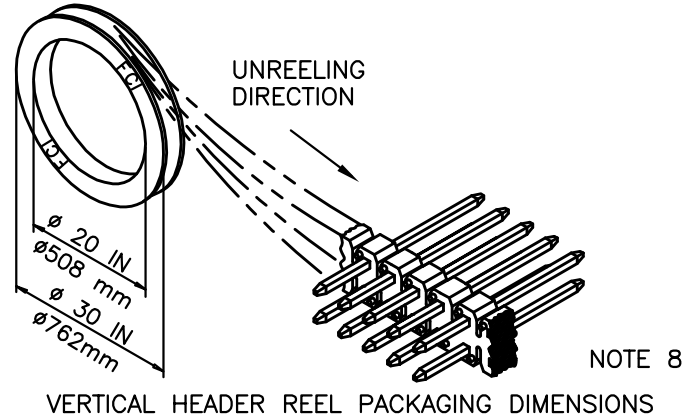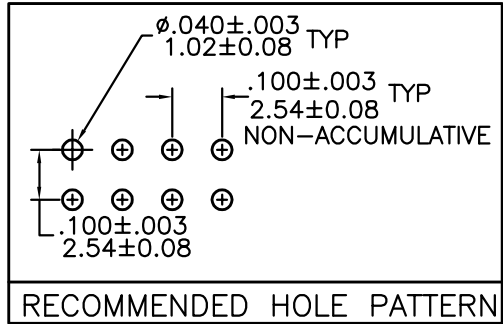**FCI**

PRODUCT NUMBER

54102 − X XX − XX − XXX X

RETENTION
R= RETENTIVE LEG, SEE NOTES 5 & 7

POLARIZATION SEE NOTES 7 & 8

POSITIONS PER ROW, 01 to 36
SEE NOTE 10

POSITIONS PER REEL, 00=45,000 (BERGSTRIP)
PIN STYLES 6,8,10,30 & 32 ONLY.

PIN STYLE	POST	TAIL	OAL
05	0.230/5.84	0.095/2.41	0.425/10.80
06	0.230/5.84	0.110/2.79	0.440/11.18
08	0.230/5.84	0.120/3.05	0.450/11.43
10	0.230/5.84	0.150/3.81	0.480/12.19
12	0.230/5.84	0.300/7.62	0.630/16.00
30	0.318/8.08	0.120/3.05	0.538/13.67
32	0.318/8.08	0.150/3.81	0.568/14.43
34	0.318/8.08	0.212/5.38	0.630/16.00

PLATING:
S=15u"/0.38um GOLD ON CONTACT AREA
  120u"/3.0um TIN/LEAD ON TAIL
G=30u"/0.76um GOLD ON CONTACT AREA
  120u"/3.0um TIN/LEAD ON TAIL
T=120u"/3.0um TIN/LEAD ON CONTACT AREA
  AND ON TAIL (SEE NOTE 11).
F=2u'/0.05um GOLD ON CONTACT AREA
  AND ON TAIL

−U−
N x.100[2.54]
SEE NOTE 3
(N−1)x.100[2.54]
B01
B02
.100 2.54
.100 2.54 TYP
ROW B
ROW A
.045 REF 1.14
A02
A01
.025 TYP 0.64 REF
.190 4.83 −V−
⊕ ⌀.020/.51 Ⓜ U Ⓜ V Ⓢ

±.008 ±0.20
(POST LENGTH)
OAL OVERALL LENGTH REF
±.010 ±0.25
(TAIL LENGTH)

.173 REF 4.40 (PLATED AREA)
.006/1[.15/2.54]
.100 2.54 REF
NOTE 4

⌀.040±.003 1.02±0.08 TYP
.100±.003 TYP 2.54±0.08 NON-ACCUMULATIVE
.100±.003 2.54±0.08

RECOMMENDED HOLE PATTERN

NOTES:
1) BERGSTIK /BERGSTRIP HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
2) PIN MATERIAL: PHOSPHOR-BRONZE
3) TO DETERMINE DIMENSIONS:
   N = NUMBER OF POSITIONS PER ROW. EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
4) 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION
5) RETENTIVE LEG APPLICABLE TO TAIL LENGTH OF .120/3.05 ONLY. RETENTION IS APPLIED TO TWO PINS PER PART, ADJACENT TO ONE ANOTHER. 5lb/2.3kg MAX. INSERTION FORCE AND .25lb/1kg MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE LOCATION AT THE DEISCRETION OF THE MANUF. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
6. BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIP PACKAGED PER REEL.
7) POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIP.
8) FOR POLARIZATION SPECIFY POSITION NUMBER (i.e.. A03=ROW A POS. 3) TO OMIT PIN. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
9. UNDERPLATING: 50µ"/1.27µm Ni.
10) POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD TO PRINT SPECIFICATION.
11) PIN TIPS ON TN/LEAD PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.

UNREELING DIRECTION
⌀ 20 IN ⌀508 mm
⌀ 30 IN ⌀762mm
NOTE 8
VERTICAL HEADER REEL PACKAGING DIMENSIONS

mat'l. code SEE NOTES 1 & 2				tolerances unless otherwise specified		CUSTOMER COPY	**FCI** www.fciconnect.com
ltr	ecn no	dr	date	linear	.XX ±.01/0.3		title
C	V01968	MDF	08/07/00		.XXX ±.005/0.13	projection	.100 UNSHROUDED HDR. D/R THRU HOLE
D	V02373	AZ	10/02/00		.XXXX ±.0020/0.051		
E	V12228	DAI	09/17/01	angles	0° ±2°		
F	V20751	GIP	07/09/02	dr	D.INGRAM 05/16/99	INCH/MM	product family BERGSTIK	code 213
G	V21475	GIP	09/17/02	engr	H.SUNDY 07/21/99		
H	V21887	TAB	01/02/03	chr	H.SUNDY 07/21/99	scale 1:1	size A	dwg no 54102	sheet 1 of 1
J	E03−0030	HTB	05/05/03	appd	H.SUNDY 07/21/99		
sheet index	revision sheet	J 1					

cage code 22526

ACAD

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