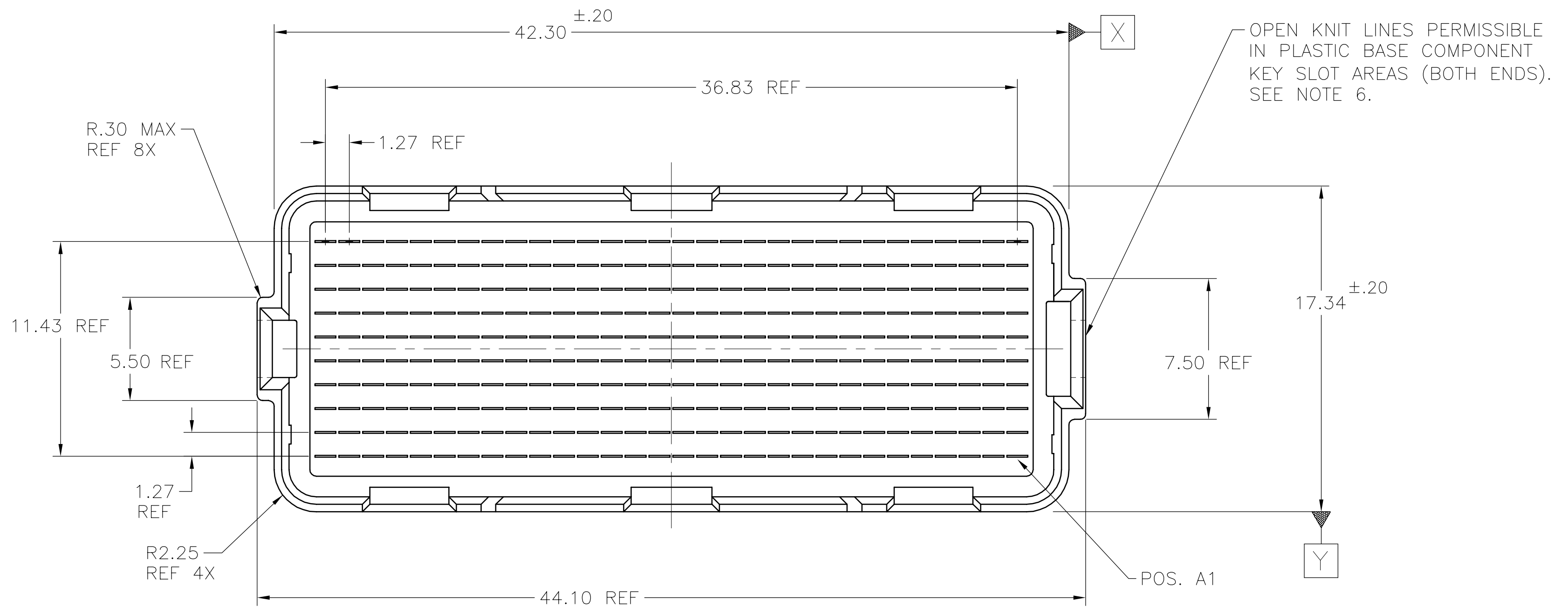
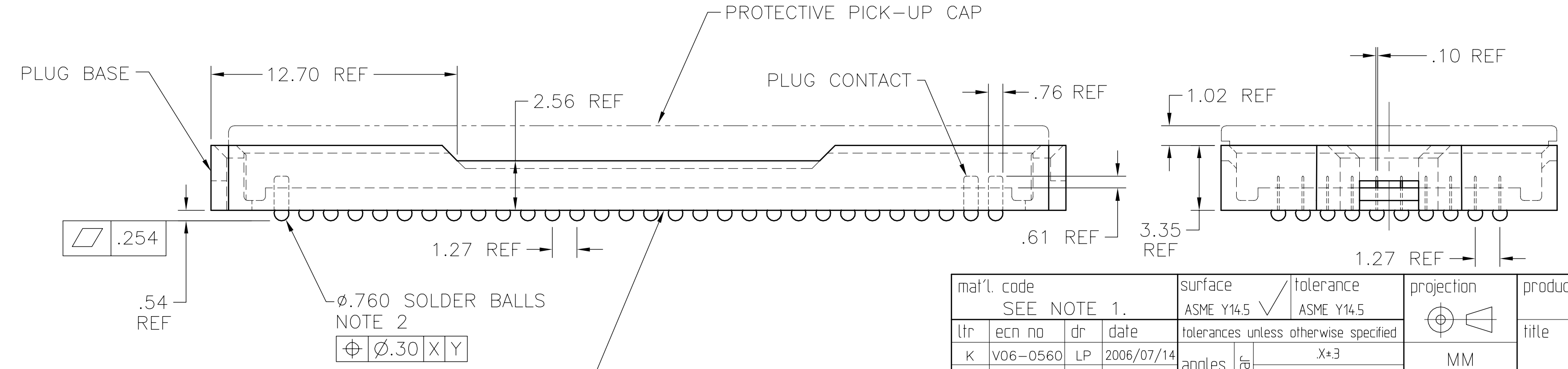




CONTINUOUS OPEN KNIT LINE CRACKS (TRAVERSING THE ENTIRE BODY LENGTH OF THE CONNECTOR) WHICH CAUSE CRITICAL-TO-FUNCTION DIMENSIONAL CHANGES THAT AFFECT THE CONNECTORS MECHANICAL ALIGNMENT FEATURES ARE NOT PERMISSIBLE. SEE NOTE 6.

mat'l. code
SEE NOTE 1.

surface ASME Y14.5 √
tolerance ASME Y14.5
projection
MM
scale 3:1

tolerances unless otherwise specified

angles	linear
	.X±.3
	.XX±.13
0° ±2°	.XXX±.051

ltr	ecn no	dr	date
K	V06-0560	LP	2006/07/14
–	–	–	–
E	V10232	DRW	6/14/01
F	V20006	DRW	1/7/02
G	V20692	DRW	4/9/02
H	V03-0680	DAI	6/19/03
J	V04-0940	VS	10/18/01

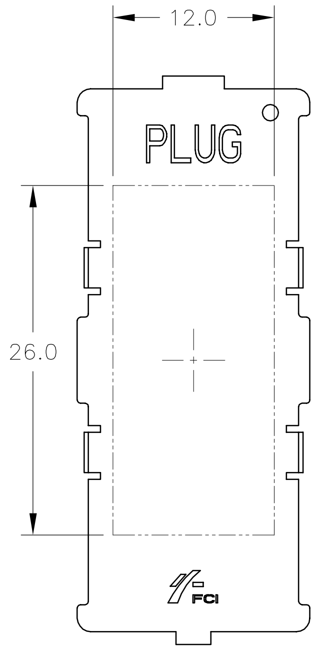
dr	D.WAUGHEN	12.16.98
engr	D.HARPER	12.16.98
chr	D.HARPER	12.16.98
appd	D.HARPER	12.16.98

product family
MEG-ARRAY

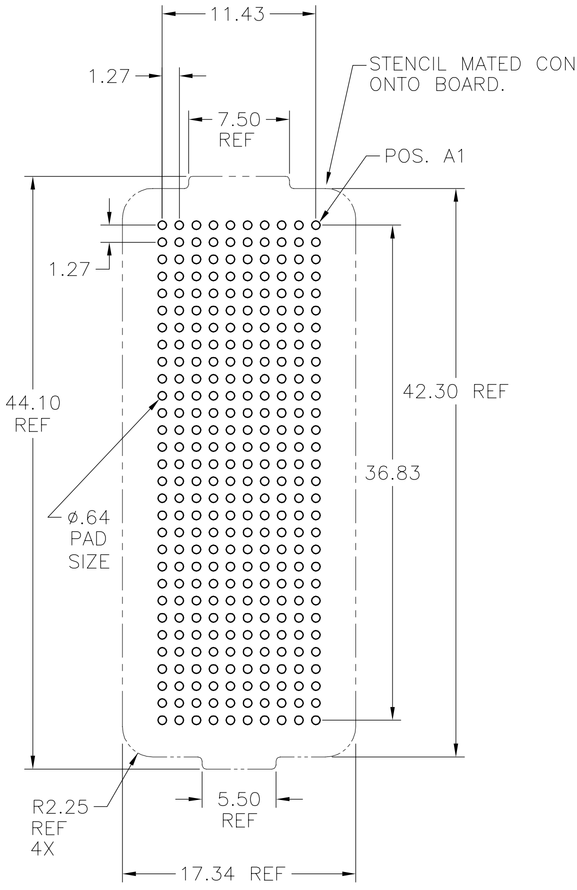
title
0mm PLUG ASSY
10 X 30 = 300 POS.

dwg no 84500
sheet 1 of 3
size A4
type CUSTOMER Drawing

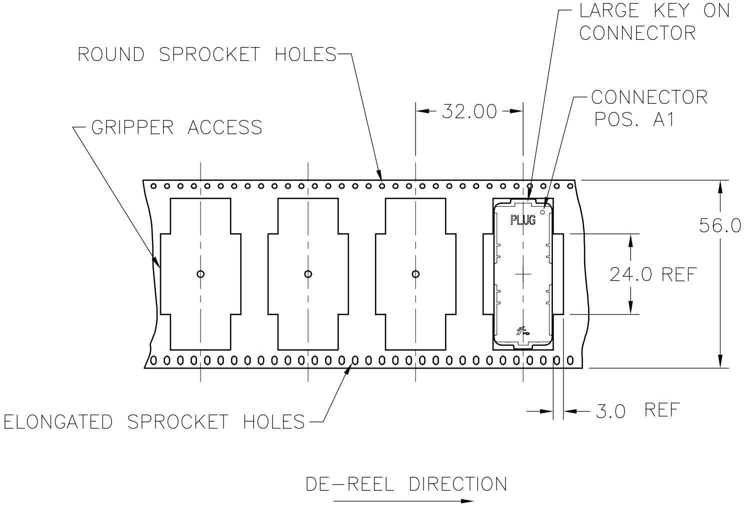
sheet index	revision	K	K	K
	sheet	1	2	3



FLAT AREA FOR PICK–UP CAP



BOARD PATTERN



TAPE & REEL PACKAGING SCALE: NONE
PER EIA 481–3

mat'l. code
SEE NOTE 1.

surface
ASME Y14.5

tolerance
ASME Y14.5

projection

product family
MEG–ARRAY

ltr	ecn no	dr	date
K			

tolerances unless otherwise specified
angles 0° ±2°
linear .X±.3 .XX±.13 .XXX±.051

MM
scale 2:1

title
0mm PLUG ASSY
10 X 30 = 300 POS.

dr	D.WAUGHEN	12.16.98
engr	D.HARPER	12.16.98
chr	D.HARPER	12.16.98
appd	D.HARPER	12.16.98

dwg no 84500
sheet 2 of 3
size A4
type CUSTOMER Drawing

sheet index
revision sheet

PRODUCT NUMBER	PICK-UP CAP	CONTACT PLATING	SOLDER BALL
84500-002	YES	15u" (.38um) Au OVER Ni	SnPb
84500-002LF			SnAgCu LEAD FREE ⑦⑧
84500-102	YES	30u" (.76um) Au OVER Ni	SnPb
84500-102LF			SnAgCu LEAD FREE ⑦⑧
84500-202	YES	SEE MATED HEIGHT TABLE (BELOW).	SnPb
84500-202LF			SnAgCu LEAD FREE ⑦⑧

NOTES:

① MAT'L
HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING
CONTACT: (SEE TABLE ON SHEET3)
SOLDER BALL: (SEE TABLE ON SHEET3)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

② SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.

③ MATED HEIGHT EFFECTED BY CUSTOMER'S PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE, & SOLDER PASTE.

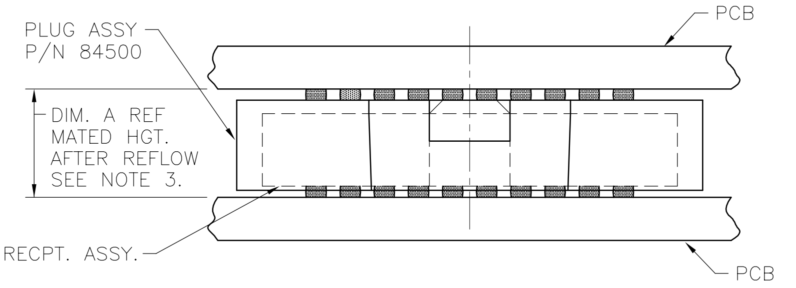
④ PLATING FOR INDICATED -2XX SERIES PART NOS. MEETS THE REQUIREMENTS OF NORTEL NPS25298-2 (CENTRAL OFFICE ENVIRONMENT, 25 YEAR LIFE EXPECTANCY).

⑤ PLATING FOR INDICATED -2XX SERIES PART NOS. IS Au OVER Ni WITH SPECIAL CONTACT GEOMETRY TO MEET REQUIREMENTS OF TELCORDIA GR-1217-CORE: CENTRAL OFFICE ENVIRONMENT.

⑥ KNIT LINE: SLIGHT VISIBLE MARKS (USUALLY A LINE) INDICATING THE DIRECTION AND MEETING POINT OF PLASTIC RESIN FLOW FRONTS TRAVELING AROUND ANY OBSTRUCTIONS TO THE RESIN FLOW VIA THE REQUIRED MOLD TOOLING.

⑦ FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE PRODUCT IS THERFORE NOT BACKWARDS COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPECIFICATION

⑧ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008 PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION



MATED HEIGHT TABLE

DIM. A	RECPT. ASSY. P/N	-2XX PLATING
4.0	84501	SEE NOTE 4.
5.5	84502	*
8.0	84553	SEE NOTE 5.

* 84502 NOT AVAILABLE IN TELCORDIA/NORTEL VERSION.

MATED HEIGHT AFTER REFLOW IS BASED ON ø .64mm PAD (METAL-DEFINED) AND .13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3.

END VIEW — MATED CONNECTORS SCALE: NONE

mat'l. code SEE NOTE 1.	surface ASME Y14.5 √	tolerance ASME Y14.5	projection ⌖◁
ltr	ecn no	dr	date
K			

tolerances unless otherwise specified

angles	linear
0° ±2°	.X±.3 .XX±.13 .XXX±.051

MM
scale 2:1

dr	D.WAUGHEN	12.16.98
engr	D.HARPER	12.16.98
chr	D.HARPER	12.16.98
appd	D.HARPER	12.16.98

product family
MEG-ARRAY

title
0mm PLUG ASSY
10 X 30 = 300 POS.

dwg no 84500
sheet 3 of 3
size A4
type CUSTOMER Drawing

sheet index
revision sheet