

4

3

2

1

DRW NO.
C-470-1075-500

SH
1

REV
P

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
	D	JMAN-6GPNSV.VER01	WAFER LOAD PATTERNS WERE CORRECTED TO SHOW REALITY. ON P/N'S 470-2075-102, 470-2075-602, 470-2155-101 AND 470-2155-601	HCL	10/01/05	J.MARVIN
	E	DMNA-6K8TZN.VER01	ADDED P/N'S 470-3205-100, 470-3205-600, 470-1155-102, & 470-1155-602	DLM	12/20/05	D.MCNAMEARA
	F	JPRX-6S2HPM.VER01	ADDED PART NUMBERS 470-1105-103 AND 470-1105-603	HCL-PR	07/26/06	J.MARVIN
	G	JPRX-6UUNNG.VER01	ADDED P/N'S 470-1205-100, 470-1205-600, 470-2205-100, & 470-2205-600 UPDATED DIMENSIONING SCHEME ADDED NOTE FOR MAX BALL PROTRUSION, MISSING DIMENSION "P" AND A NOTE TO EXPLAIN "REFERENCE" AND "BASIC" DIMENSIONS	HCL-MS	11/06/06	J.MARVIN
SH1,A4 SH1,A4 SH4,A3 SH4,B1 SH2,3 SH2,A3	H	DMAN-6ZRNL6.VER01	CONTACT MAT'L WAS "CU ALLOY" 0.71 DIA WAS 0.76 0.25/0.05 WAS 0.30/0.01 0.125 TOL WAS 0.20 PART NUMBERS REORDERED IN TABLE WAFER 7 POSITION REMOVED FROM 470-1235-XXX	D.MALOON	04/10/07	J.MARVIN
	J	JPRX-788MQP.VER01	ADDED P/N'S 470-1075-101 AND 470-1075-601	HCL AP	10/18/07	J.PROULX
	K	JPRX-7ESPW4.VER01	ADDED P/N 470-1205-101 AND 470-1205-601	HCL-AP	05/15/08	J.PROULX
	L	JPRX-7PNHRT.VER01	ADDED P/Ns 470-3075-101 & 470-3075-601	HCL-RB	03/09/09	J.PROULX
	M	JPRX-7TBGML.VER01	ADDED P/N 470-2235-103 & 470-2235-603 CORRECTED DIM "R" ON SEVERAL PART NUMBERS	HCL-MH	07/02/09	J.PROULX
-	N	CSAS-82ATZZ.VER01	ADDED NEW PART NUMBERS IN TABLES FOR NEW PLATING CODES. REMOVED SHEET 3.	HCL-MH	02/11/2010	C.SAMMIS
	P	JPRX-86EPK6.VER01	ADDED P/N 470-2155-X02	HCL-BK	06/15/2010	C.SAMMIS

1. ALL DIMENSIONS ARE IN MM.

2. MAT'L: HOUSING/WAFERS/VACUUM CAP - LCP
CONTACTS - HIGH PERFORMANCE COPPER ALLOY, PER MTS-506.

3. 0.71 DIA SOLDER SPHERES WILL NOT BE PERFECTLY SPHERICAL AFTER REFLOW ATTACHMENT.

4. HOLES REQUIRED IF OPTIONAL HOLD-DOWN PINS ARE USED.

5. SOLDERBALL PROTRUSION BELOW HOUSING.

6. SEE TECHNICAL BULLETIN TB-2082 FOR DETAILED LAYOUT AND SMT PROCESS RECOMMENDATIONS.

7. MAXIMUM CO-PLANARITY OF THE BALL FIELD.

8. MAXIMUM RADIAL TRUE POSITION OF ANY SOLDER BALL IN RELATION TO AN IDEAL BEST FIT GRID.

9. TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS SHOWN IN "()" OR BASIC DIMENSIONS SHOWN IN "□".

TOLERANCES

0.0

±0.25

0.00

±0.13

0.000

± -

ANGLES

± -

DESIGN 7/07/99
D. MCNAMARA

DRAWN 06/21/02
RJ MCISAAC

CHK 06/21/02
J.MARVIN

APVD 02/06/2004
J. MARVIN

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD

CUSTOMER USE
DRAWING

Amphenol TCS
A Division of Amphenol Corporation
200 Innovative Way, Nashua, NH 03062 603.879.3000

TITLE
RECEPTACLE MODULE ASSEMBLY
NEXLEV CONNECTOR

PART NO.
SEE TABLE 1

DRAWING NO.
C-470-1075-500

Pro/E type: P1002-PT-HSG-CAP-ASM10X13X30
Pro/E DRAWING: C-470-1075-500

SIZE B

SCALE 2/1

SHEET 1 OF 8

REV
N/A

REV
P

1.15
P.O

DRW NO.
C-470-1075-500

SH
1

REV
P

4

3

DRW NO. C-470-1075-500	SH 2	REV P
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ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

TABLE 1						
PART NUMBER (SEE TABLE 2)	DESCRIPTION	WAFERS INSTALLED	H	N	P	R
470-1075-X00	10 POS. 7.5 HIGH, REC ASSY	ALL	7.5	9	15.75	21.81
470-1075-X01	10 POS. 7.5 HIGH, REC ASSY	1, 3, 5, 7, 9	7.5	9	15.75	21.81
470-1105-X00	10 POS. 10.5 HIGH, REC ASSY	ALL	10.5	9	15.75	21.81
470-1105-X02	10 POS. 10.5 HIGH, REC ASSY	1,3,5,7,9	10.5	9	15.75	21.81
470-1105-X03	10 POS. 10.5 HIGH, REC ASSY	1,3,5,7,9,10	10.5	9	15.75	21.81
470-1155-X00	10 POS. 15.5 HIGH, REC ASSY	ALL	15.5	9	15.75	21.81
470-1155-X01	10 POS. 15.5 HIGH, REC ASSY	1,3,5,7,9	15.5	9	15.75	21.81
470-1155-X02	10 POS. 15.5 HIGH, REC ASSY	1,3,5,7,9,10	15.5	9	15.75	21.81
470-1205-X00	10 POS. 20.5 HIGH, REC ASSY	ALL	20.5	9	15.75	21.81
470-1205-X01	10 POS. 20.5 HIGH, REC ASSY	1,2,3,4,6,7,8,9,10	20.5	9	15.75	21.81
470-1235-X00	10 POS. 23.5 HIGH, REC ASSY	ALL	23.5	9	15.75	21.81
470-1235-X01	10 POS. 23.5 HIGH, REC ASSY	1,2,3,4,5,6,8,10	23.5	9	15.75	21.81
470-1235-X02	10 POS. 23.5 HIGH, REC ASSY	1,3,5,7,9	23.5	9	15.75	21.81
470-2075-X00	20 POS. 7.5 HIGH, REC ASSY	ALL	7.5	19	33.25	39.31
470-2075-X01	20 POS. 7.5 HIGH, REC ASSY	1,3,5,7,9,11,13,15,17,19	7.5	19	33.25	39.31
470-2075-X02	20 POS. 7.5 HIGH, REC ASSY	1,3,5,7,9,11,13,14,15,16,17,18,19,20	7.5	19	33.25	39.31
470-2105-X00	20 POS. 10.5 HIGH, REC ASSY	ALL	10.5	19	33.25	39.31
470-2105-X01	20 POS. 10.5 HIGH, REC ASSY	1,3,5,7,9,11,13,15,17,19	10.5	19	33.25	39.31
470-2155-X00	20 POS. 15.5 HIGH, REC ASSY	ALL	15.5	19	33.25	39.31
470-2155-X01	20 POS. 15.5 HIGH, REC ASSY	1,3,5,7,9,11,13,14,15,16,17,18,19,20	15.5	19	33.25	39.31
470-2155-X02	20 POS. 15.5 HIGH, REC ASSY	1,2,3,4,5,6,7,8,9,10,11,12,13,14,16,18	15.5	19	33.25	39.31
470-2205-X00	20 POS. 20.5 HIGH, REC ASSY	ALL	20.5	19	33.25	39.31
470-2235-X00	20 POS. 23.5 HIGH, REC ASSY	ALL	23.5	19	33.25	39.31
470-2235-X01	20 POS. 23.5 HIGH, REC ASSY	1,2,4,5,7,8,10,11,13,14,16,17,19,20	23.5	19	33.25	39.31
470-2235-X02	20 POS. 23.5 HIGH, REC ASSY	1 THRU 16,18,20	23.5	19	33.25	39.31
470-2235-X03	20 POS. 23.5 HIGH, REC ASSY	1 THRU 12,18,19,20	23.5	19	33.25	39.31
470-3075-X00	30 POS. 7.5 HIGH, REC ASSY	ALL	7.5	29	50.75	56.81
470-3075-X01	30 POS. 7.5 HIGH, REC ASSY	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29	7.5	29	50.75	56.81
470-3105-X00	30 POS. 10.5 HIGH, REC ASSY	ALL	10.5	29	50.75	56.81
470-3155-X00	30 POS. 15.5 HIGH, REC ASSY	ALL	15.5	29	50.75	56.81
470-3205-X00	30 POS. 20.5 HIGH, REC ASSY	ALL	20.5	29	50.75	56.81
470-3235-X00	30 POS. 23.5 HIGH, REC ASSY	ALL	23.5	29	50.75	56.81
470-3235-X01	30 POS. 23.5 HIGH, REC ASSY	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29	23.5	29	50.75	56.81
470-3235-X02	30 POS. 23.5 HIGH, REC ASSY	1 THRU 26,28,30	23.5	29	50.75	56.81
470-5105-X00	25 POS. 10.5 HIGH, REC ASSY	ALL	10.5	24	42.00	48.06
470-5155-X00	25 POS. 15.5 HIGH, REC ASSY	ALL	15.5	24	42.00	48.06
470-5155-X01	25 POS. 15.5 HIGH, REC ASSY	1 THRU 21, 23, 25	15.5	24	42.00	48.06

TABLE 2	
PART NUMBER	SOLDER BALL/WAFER DESCRIPTION
470-YYY5-10Y	TIN/LEAD SOLDER BALLS - EUTECTIC (RoHS 5 COMPLIANCE), WAFERS WITH Ni SULFAMATE UNDERPLATE
470-YYY5-20Y	TIN/LEAD SOLDER BALLS - EUTECTIC (RoHS 5 COMPLIANCE), WAFERS WITH NANO Ni UNDERPLATE
470-YYY5-60Y	LEAD FREE SOLDER BALLS (RoHS 6 COMPLIANCE), WAFERS WITH Ni SULFAMATE UNDERPLATE
470-YYY5-70Y	LEAD FREE SOLDER BALLS (RoHS 6 COMPLIANCE), WAFERS WITH NANO Ni UNDERPLATE

TOLERANCES		DESIGN 7/07/99 D. MCNAMARA	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000			
0.0	±0.25	DRAWN 06/21/02 RJ MCISAAC				
0.00	±0.13	CHK 06/21/02 J.MARVIN				
0.000	± -	APVD 02/06/2004 J. MARVIN				
ANGLES	± -		TITLE RECEPTACLE MODULE ASSEMBLY NEXLEV CONNECTOR			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD			PART NO. SEE TABLE 1		REV N/A	
			DRAWING NO. C-470-1075-500		REV P	
			Pro/E type: P1002-PT-HSG-CAP-ASM10X13X30 Pro/E DRAWING: C-470-1075-500		1.15 P.0	
CUSTOMER USE DRAWING			SIZE B		SCALE 2/1	SHEET 2 OF 8

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

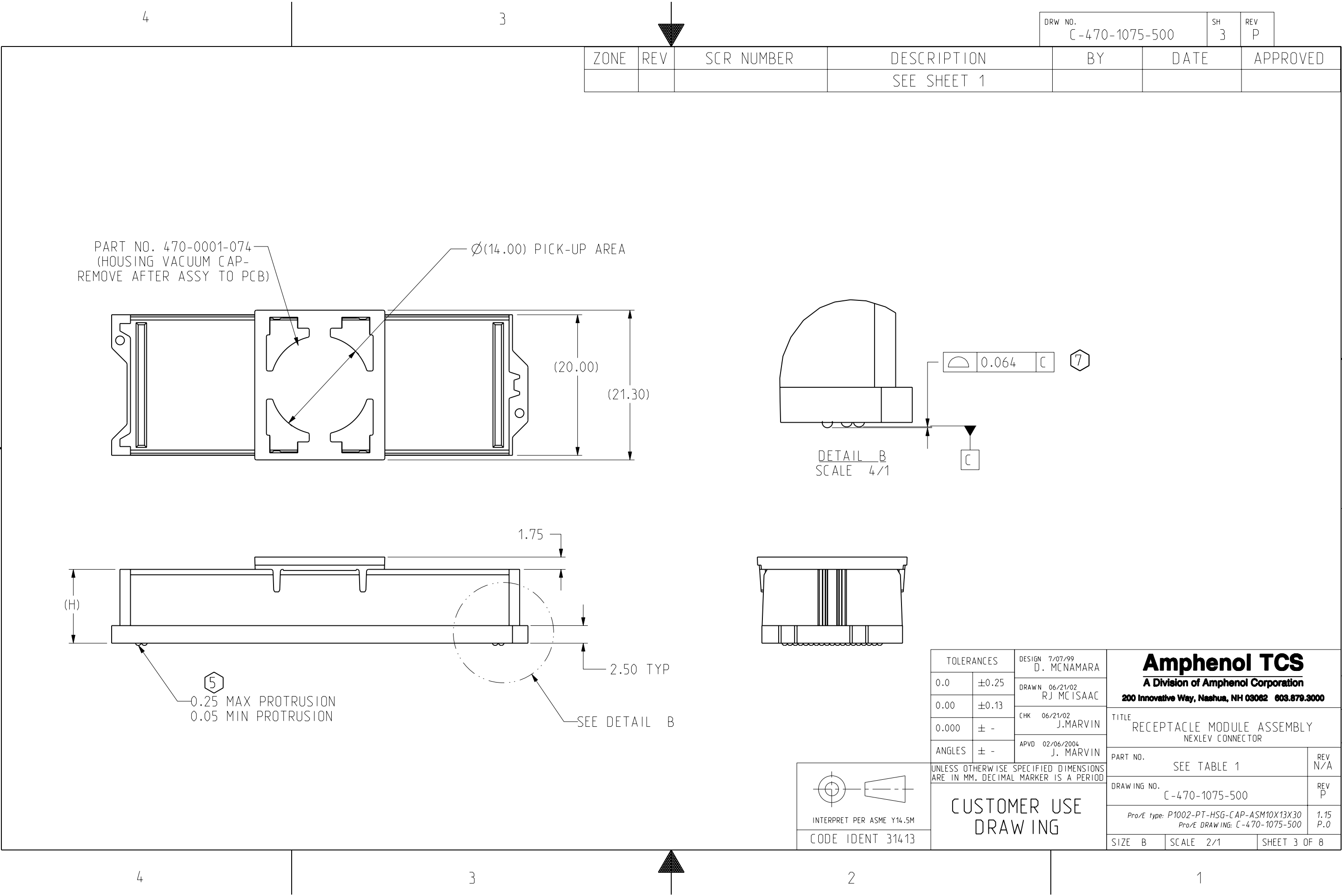
CUSTOMER USE
DRAWING

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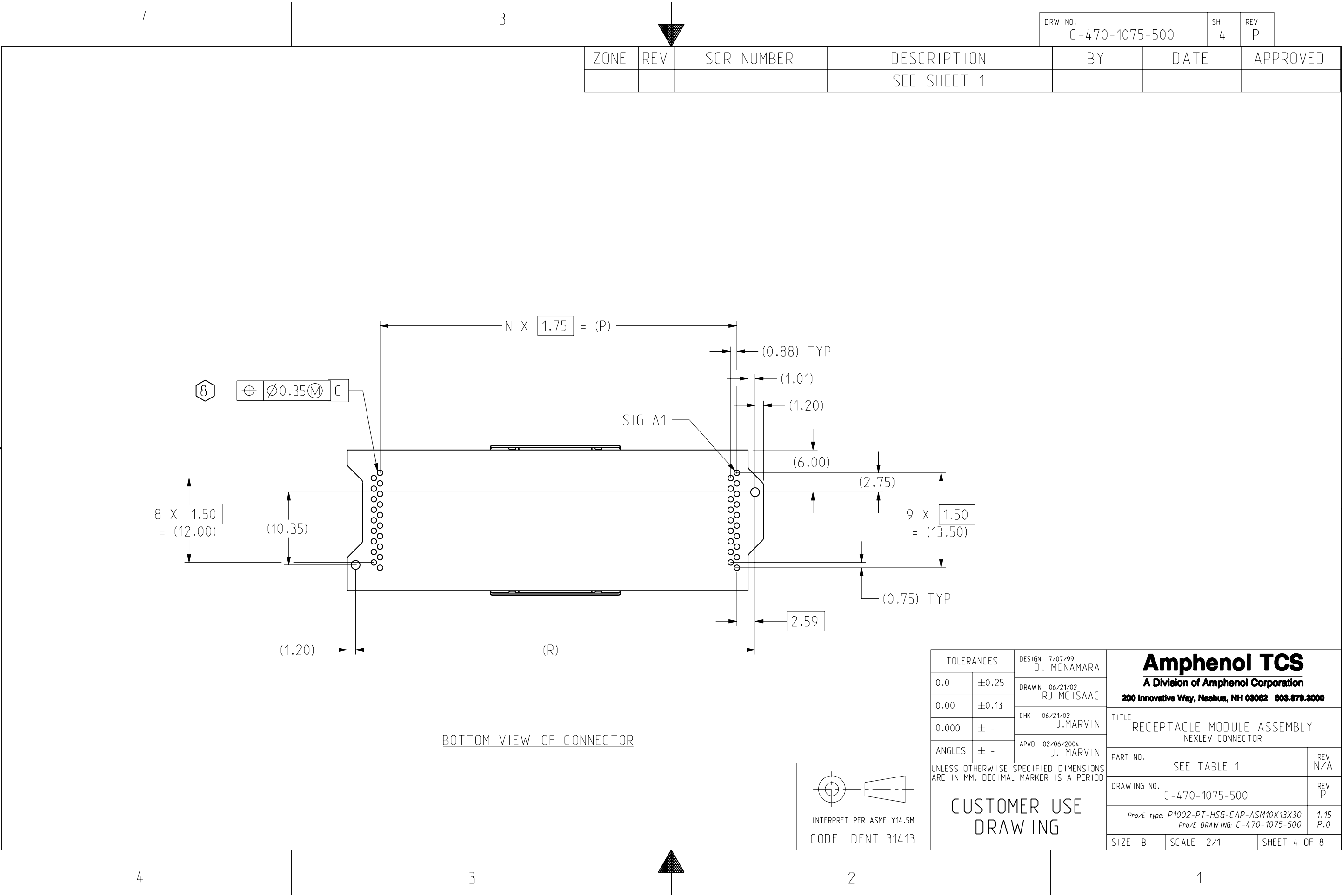


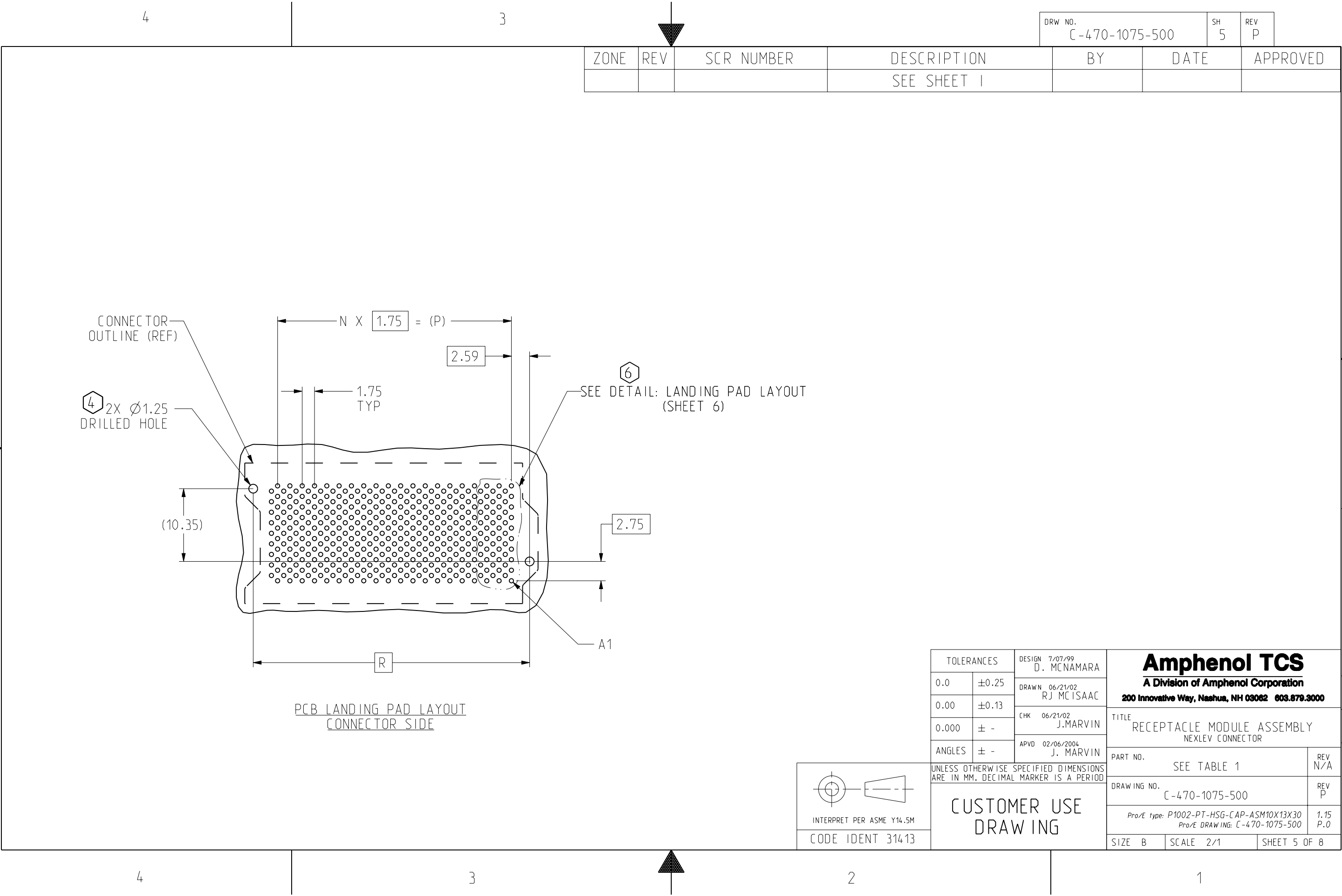
ZONE		REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
				SEE SHEET 1			

DRW NO.	SH	REV
C-470-1075-500	3	P

TOLERANCES		DESIGN 7/07/99 D. MCNAMARA	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.0	±0.25	DRAWN 06/21/02 RJ MCISAAC		
0.00	±0.13	CHK 06/21/02 J.MARVIN		
0.000	± -	APVD 02/06/2004 J. MARVIN		
ANGLES	± -		TITLE RECEPTACLE MODULE ASSEMBLY NEXLEV CONNECTOR	
PART NO.			SEE TABLE 1	REV N/A
DRAWING NO.			C-470-1075-500	REV P
Pro/E type: P1002-PT-HSG-CAP-ASM10X13X30			Pro/E DRAWING: C-470-1075-500	1.15 P.O
SIZE	B	SCALE	2/1	SHEET 3 OF 8

DRW NO.	SH	REV
C-470-1075-500	3	P





ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

DRW NO.	SH	REV
C-470-1075-500	5	P

TOLERANCES		DESIGN 7/07/99 D. MCNAMARA	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.0	±0.25	DRAWN 06/21/02 RJ MCISAAC		
0.00	±0.13	CHK 06/21/02 J.MARVIN		
0.000	± -	APVD 02/06/2004 J. MARVIN		
ANGLES	± -		TITLE RECEPTACLE MODULE ASSEMBLY NEXLEV CONNECTOR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD			PART NO. SEE TABLE 1	REV N/A
CUSTOMER USE DRAWING			DRAWING NO. C-470-1075-500	REV P
			Pro/E type: P1002-PT-HSG-CAP-ASM10X13X30 Pro/E DRAWING: C-470-1075-500	1.15 P.O
			SIZE B	SCALE 2/1
SHEET 5 OF 8				

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

