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DRW NO.
P-154-4522-500

SH
1

REV
C

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL	A	DSMH-8X6RDF.VER01	NEW RELEASE	HCL-AS	08/16/2012	D.SMITH
	B	BRID-93SUS6.VER01	TABLE 1 ADDED FOR WITH STSG OPTION REMOVED LEADED PLATING OPTIONS	HCL-AP	01/11/2013	B.RICHARD
	C	JXUU-98N7HA.VER01	ADDED CORING	HCL-AK	07/02/2013	J.XU

TABLE 1

COMPLIANT PIN, 0.0177" DRILL, 100 Ω
WITH STSG, WITHOUT CAPS

PART NUMBER	REV	MAKE FROM			FINISH 2	DESCRIPTION
		SIGNAL LF B1	SIGNAL LF B2	SHIELD IM-B		
154-4412-10D	C	160-0919-769	160-0929-769	154-4312-10D	769 PER EGS 205	PREPPED
154-4412-10E	C	160-0919-768	160-0929-768	154-4312-10E	768 PER EGS 205	
154-4412-10H	C	160-0919-806	160-0929-806	154-4312-10H	806 PER EGS 205	
154-4412-10J	C	160-0919-805	160-0929-805	154-4312-10J	805 PER EGS 205	
154-4512-10X	C	154-4412-10X			2	OVER MOLD
154-4612-10X	C	154-4512-10X			2	LOOSE PIECE

TABLE 2

COMPLIANT PIN, 0.0177" DRILL, 100 Ω
WITHOUT STSG, WITHOUT CAPS

PART NUMBER	REV	MAKE FROM			FINISH 2	DESCRIPTION
		SIGNAL LF B1	SIGNAL LF B2	SHIELD IM-B		
154-4422-10D	C	160-0919-769	160-0929-769	154-4322-10D	769 PER EGS 205	PREPPED
154-4422-10E	C	160-0919-768	160-0929-768	154-4322-10E	768 PER EGS 205	
154-4422-10H	C	160-0919-806	160-0929-806	154-4322-10H	806 PER EGS 205	
154-4422-10J	C	160-0919-805	160-0929-805	154-4322-10J	805 PER EGS 205	
154-4522-10X	C	154-4422-10X			2	OVER MOLD
154-4622-10X	C	154-4522-10X			2	LOOSE PIECE

NOTES:

1. MATERIAL: 807-0000-070 PER EGS 207.

2. 0.2 MAX FLASH UNLESS OTHERWISE SPECIFIED.

3. PARTS ARE TO BE IN ACCORDANCE WITH EGPS 0201.

4. PARTS TO BE SUPPLIED ON REELS ON 26.00 CENTERS AS SHOWN.

5. SOME DIMENSIONS TO BE CONTROLLED BY SPC. SPC DATA WILL BE SUBMITTED WITH EVERY LOT. SEE SHEET 6 FOR FPIR.

6. MANUFACTURER SHALL NOTIFY AMPHENOL TCS IN WRITING 30 DAYS PRIOR TO CHANGES IN MANUFACTURING LOCATION, MATERIALS, DESIGN, OR MANUFACTURING PROCESS. WRITTEN ACCEPTANCE MUST BE RECEIVED PRIOR TO IMPLEMENTATION OF CHANGE. THIS DOES NOT REQUIRE THE MANUFACTURER TO REVEAL ANY PROPRIETARY INFORMATION.

7. FINISHED MOLDED PART SHALL RETAIN ALL TOLERANCE REQUIREMENTS OF STAMPED PART (160-0919-XXX, 160-0929-XXX) AS SPECIFIED ON DRAWING 160-0919-500 & 160-0929-500 AND INSERT MOLDED PART (154-4322-XXX) AS SPECIFIED ON DRAWING 154-4322-500.

8. CHANGES IN THIS DRAWING MAY AFFECT PART NUMBER (160-0919-XXX, 160-0929-XXX), REFERENCE DRAWING 160-0919-500 & 160-0929-500. AND PART NUMBER 154-4322-XXX, REFERENCE DRAWING 154-4322-500.

9. SEE FLASH MAP FOR CRITICAL FLASH AREAS & REQUIREMENTS.

10. METALLIC SLIVERS OR SPECKS ON FINISHED PRODUCT OR MOLDED IN PLASTIC ARE NOT ACCEPTABLE.

11. GATE LOCATION APPROXIMATELY WHERE SHOWN. 1 GATE PER PART. GATE TO BE RECESSED SUFFICIENTLY SO VESTIGE WILL NOT EXCEED TOP SURFACE.

12. CAVITY I.D. RECESS AREA TO BE LOCATED APPROXIMATELY WHERE SHOWN. CHARACTERS TO BE 0.80 TALL.

13. MAX ALLOWABLE SINK 0.15 MAX.

14. PART TO BE FREE OF BURRS IN EXCESS OF 0.05 MAX. UNLESS OTHERWISE SPECIFIED.

15. CRITICAL AREA BURRS NOT TO EXCEED 0.025 MAX.

16. PLATING TO BE IN ACCORDANCE WITH QAPS 0425.

17. STAMPING TO BE IN ACCORDANCE WITH QAPS 0427.

18. REEL NOT TO EXCEED 35 LBS.

19. SHARP CORNERS TO BE R0.15mm UNLESS OTHERWISE SPECIFIED.

20. LOCATE PROFILE OF SURFACE () WITH FIXTURE PART NUMBER 693-1181-000.

21. ALL DIMS NOT SHOWN SHALL BE ACCORDING TO SOLID MODEL P1199-4P-DC-WAFER-B-OVERMOLD.

22. LAST DIGIT OF PART NUMBER IDENTIFIES PLATING CODE, PER EGS 205.
D = 769
E = 768
H = 806
J = 805

ISOMETRIC VIEW

SCALE 6/1

TOLERANCES	DESIGN 10/02/2010 M.RECEPUTO	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000
0.0 ±0.15	DRAWN 02/28/2011 HCL-MR	
0.00 ±0.05	CHK 02/28/2011 T.COHEN	
0.000 ± -	APVD 02/28/2011 T.COHEN	
ANGLES ± 1°		

MATERIAL: 1

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

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

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMPHENOL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF AMPHENOL CORPORATION.

PART NO. SEE TABLE 1 & 2		REV
DRAWING NO. P-154-4522-500		REV C
ASSEM: P1199-4P-DC-WAFER-B-OVERMOLD DRAWING: P-154-4522-500		1.19 C.0
SIZE D	SCALE 6/1	SHEET 1 OF 6

8

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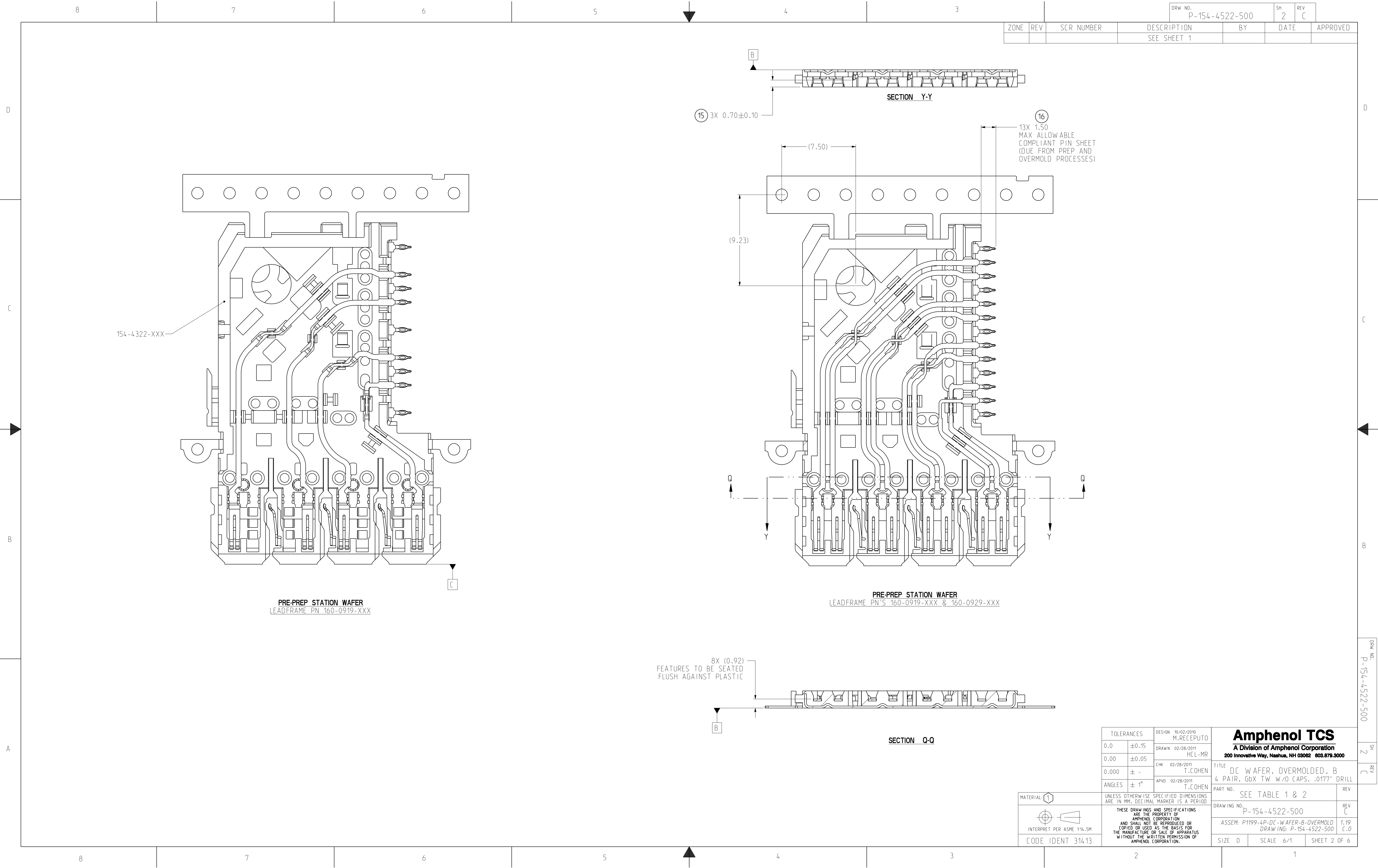
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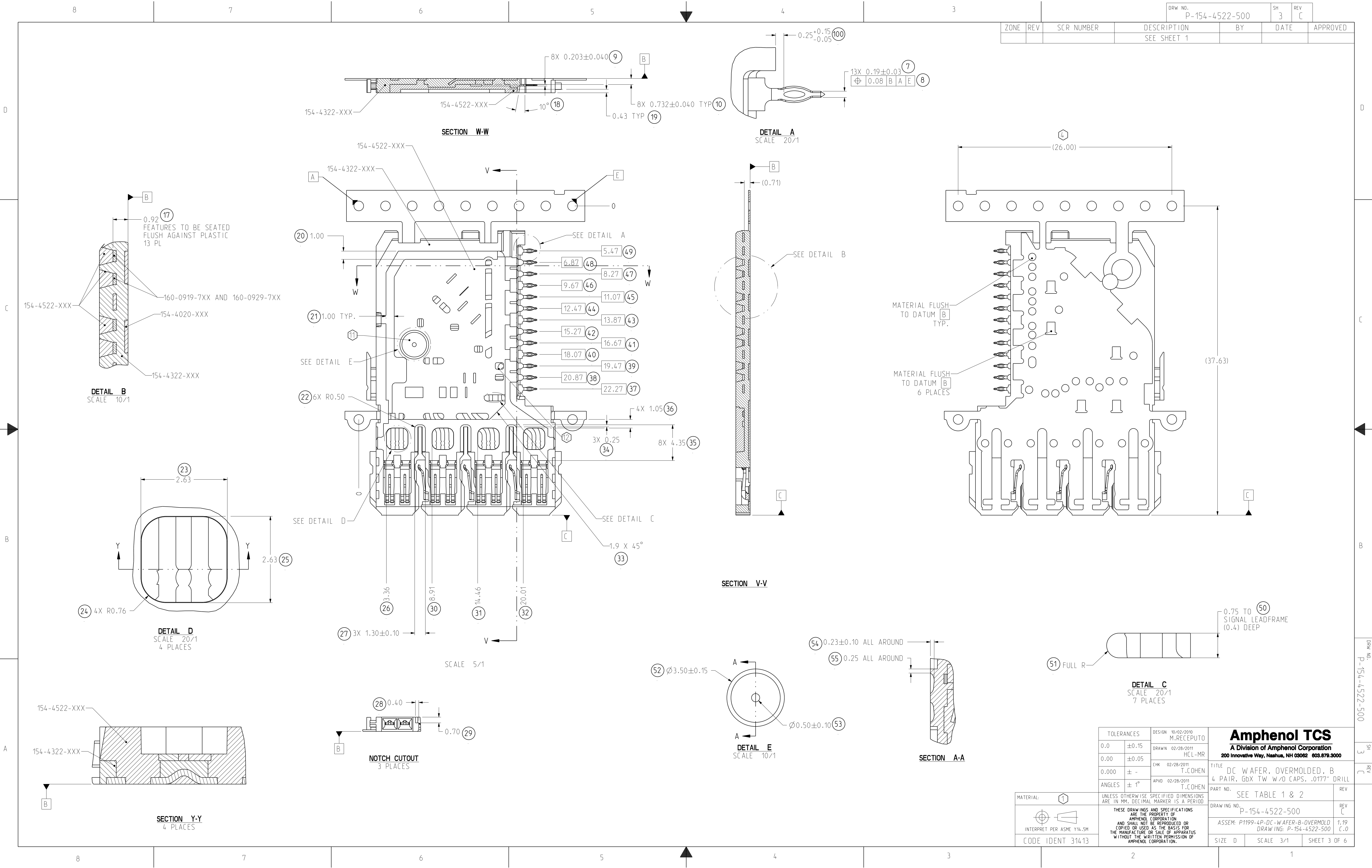
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ZONE		REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
				SEE SHEET 1			

DRW NO.	P-154-4522-500	SH	2	REV	C
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TOLERANCES		DESIGN	10/02/2010	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.0	±0.15	DRAWN	02/28/2011		
0.00	±0.05	CHK	02/28/2011		
0.000	± -	APVD	02/28/2011		
ANGLES	± 1°				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS A PERIOD		THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMPHENOL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF AMPHENOL CORPORATION.		PART NO.	
MATERIAL 1		DRAWING NO.		REV	
INTERPRET PER ASME Y14.5M		P-154-4522-500		1.19	
CODE IDENT 31413		ASSEM: P1199-4P-DC-WAFER-B-OVERMOLD		C.0	
		SIZE D		SHEET 2 OF 6	
		SCALE 6/1			



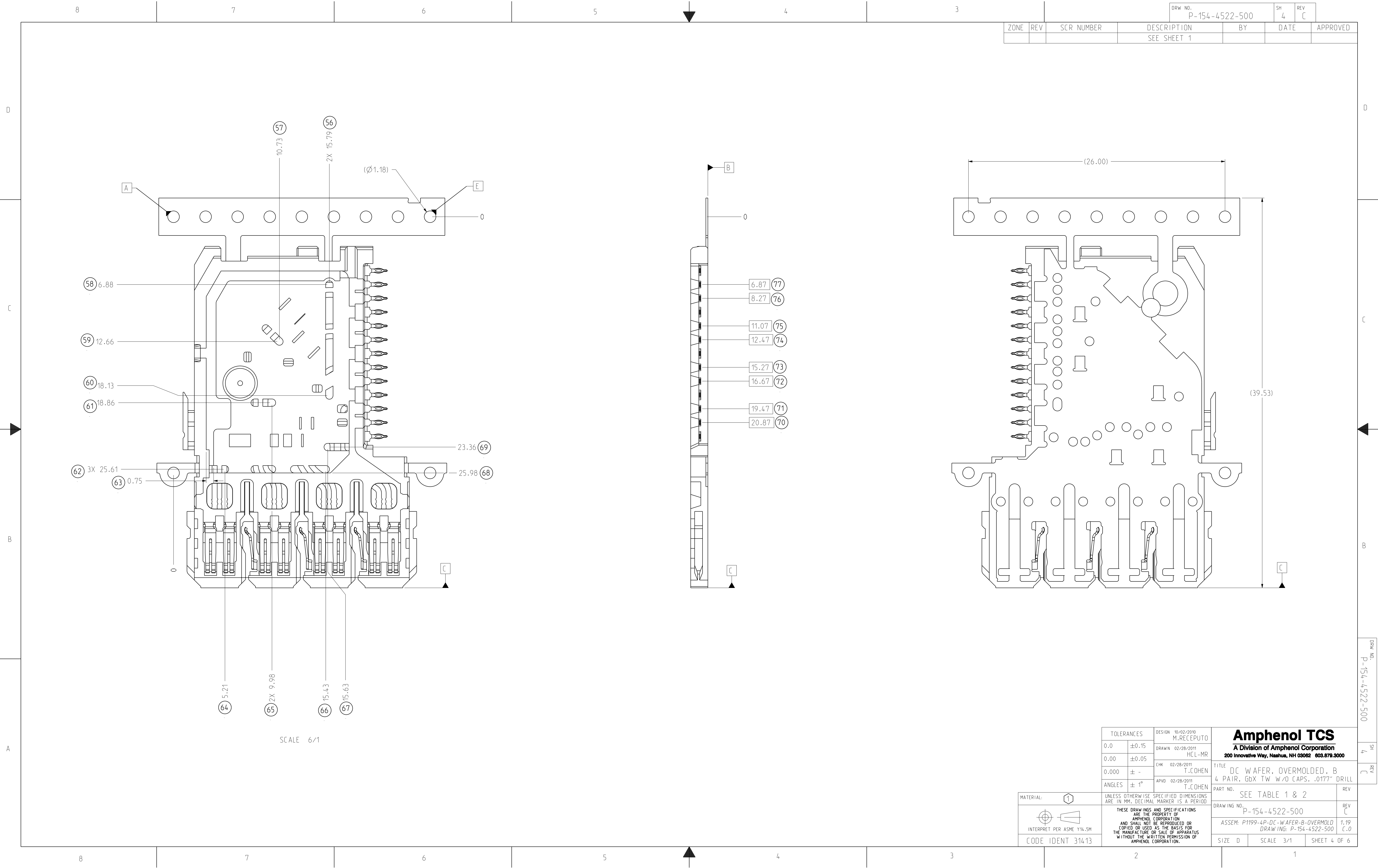
ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

DRW NO.	SH	REV
P-154-4522-500	3	C

TOLERANCES	DESIGN 10/02/2010 M.RECEPUTO	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000
0.0 ±0.15	DRAWN 02/28/2011 HCL-MR	
0.00 ±0.05	CHK 02/28/2011 T.COHEN	
0.000 ± -	APVD 02/28/2011 T.COHEN	
ANGLES ± 1°		PART NO. SEE TABLE 1 & 2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS A PERIOD		DRAWING NO. P-154-4522-500
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMPHENOL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF AMPHENOL CORPORATION.		ASSEM: P1199-4P-DC-WAFER-B-OVERMOLD DRAWING: P-154-4522-500
MATERIAL: 1		SIZE D SCALE 3/1 SHEET 3 OF 6

MATERIAL: 1
INTERPRET PER ASME Y14.5M
CODE IDENT 31413

DRW NO.	SH	REV
P-154-4522-500	3	C



ZONE		REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
				SEE SHEET 1			

DRW NO.	SH	REV
P-154-4522-500	4	C

TOLERANCES		DESIGN 10/02/2010 M.RECEPUTO	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000		SH + REV C
0.0	±0.15	DRAWN 02/28/2011 HCL-MR			
0.00	±0.05	CHK 02/28/2011 T.COHEN			
0.000	± -	APVD 02/28/2011 T.COHEN			
ANGLES ± 1°			TITLE DC WAFER, OVERMOLDED, B 4 PAIR, GbX TW W/O CAPS, .0177" DRILL		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS A PERIOD			PART NO. SEE TABLE 1 & 2		REV
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMPHENOL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF AMPHENOL CORPORATION.			DRAWING NO. P-154-4522-500		REV C
			ASSEM: P1199-4P-DC-WAFER-B-OVERMOLD		1.19
			DRAWING: P-154-4522-500		C.0
			SIZE D SCALE 3/1 SHEET 4 OF 6		

DRW NO. P-154-4522-500

SH 4

REV C

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

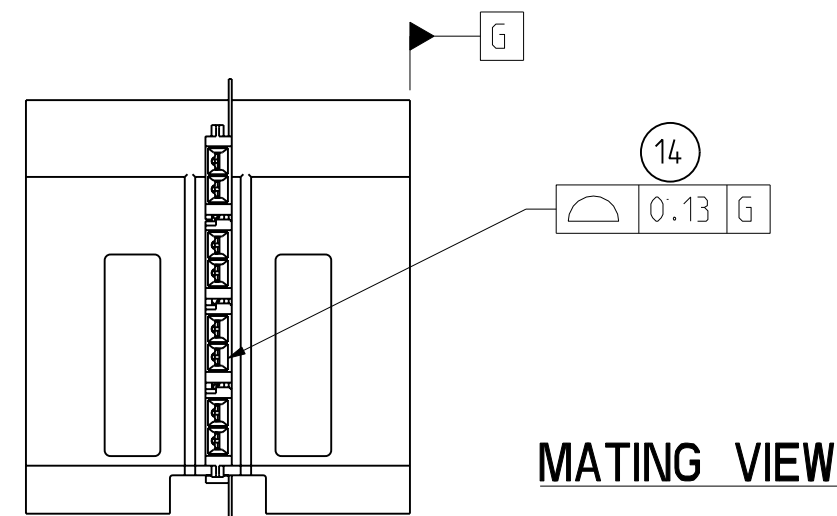
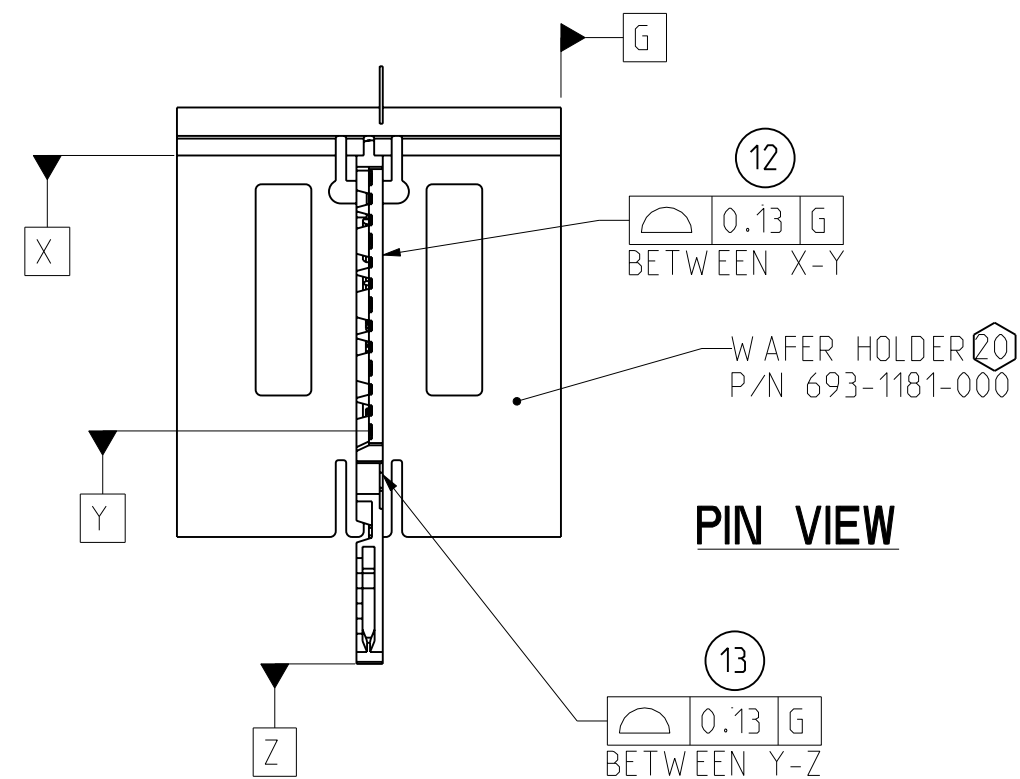
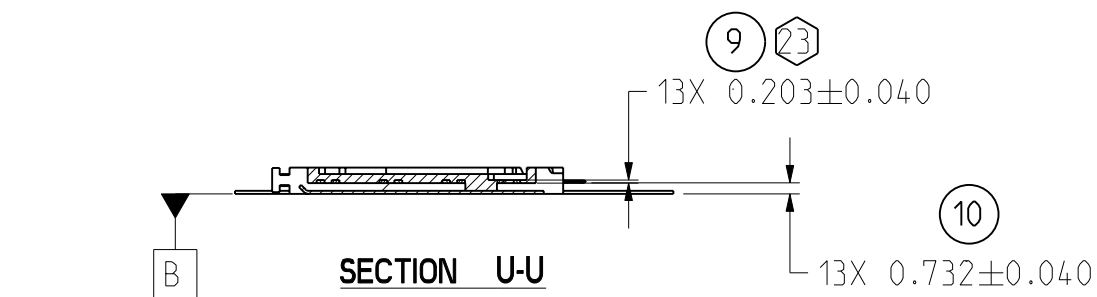
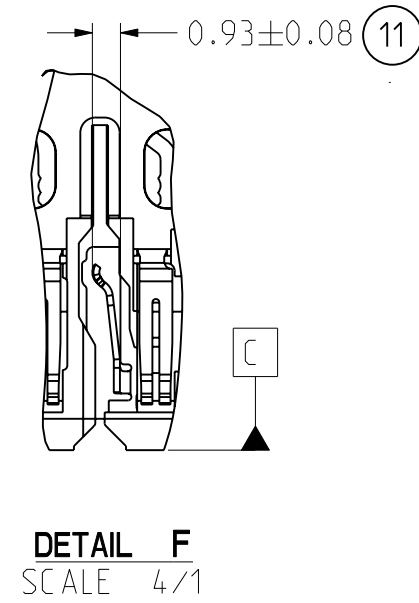
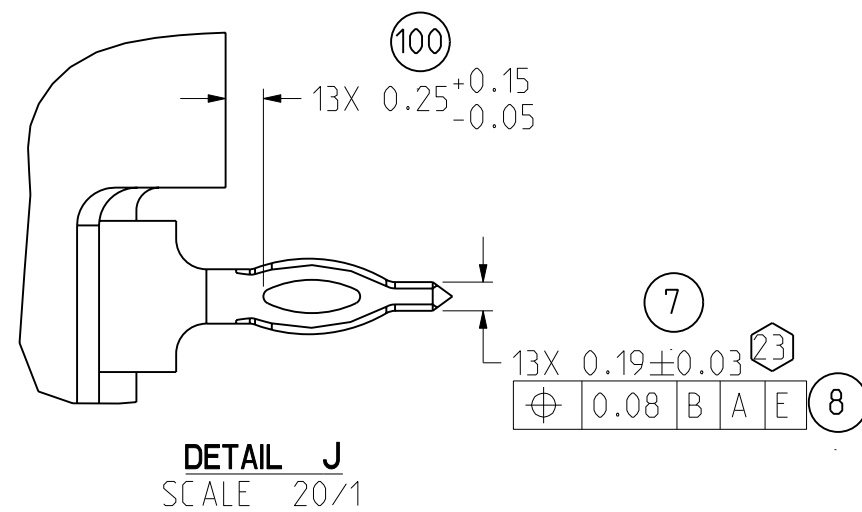
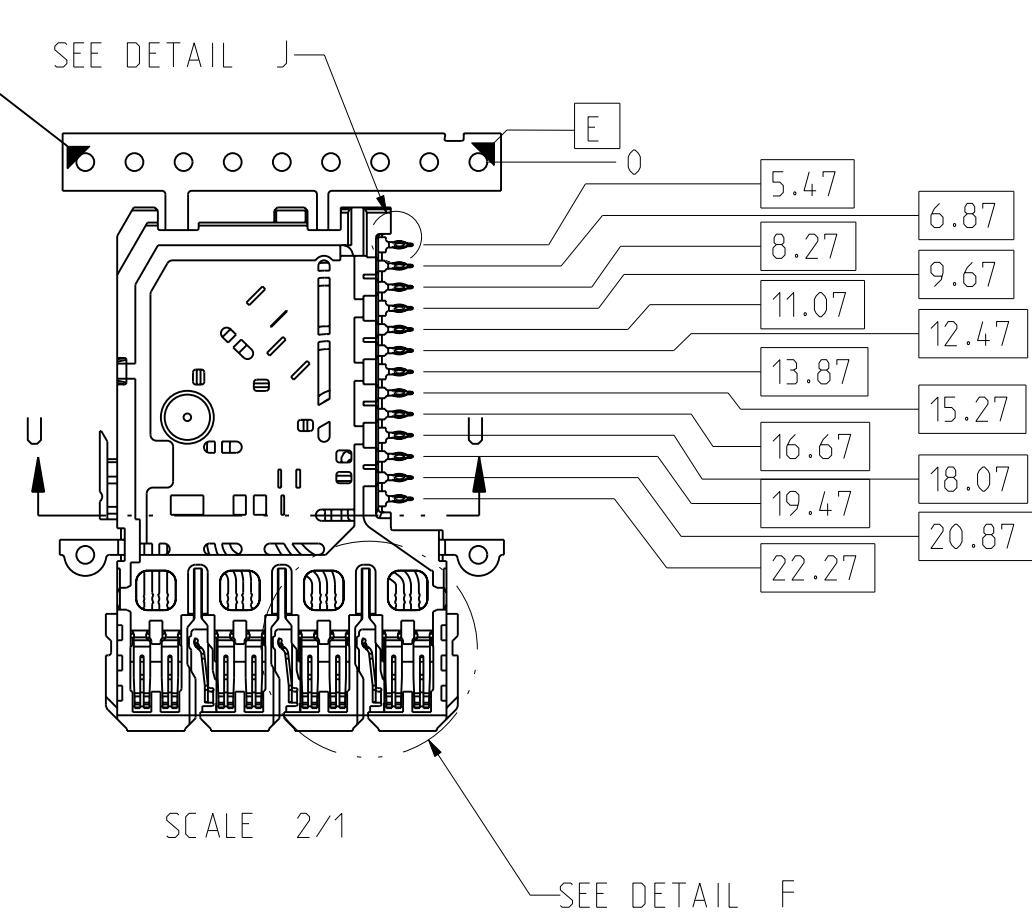
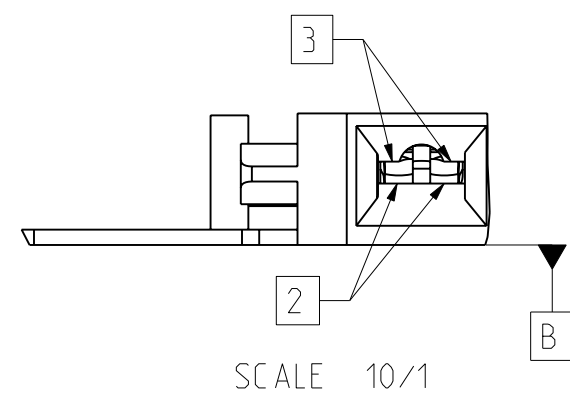
FIRST PIECE INSPECTION REQUIREMENTS

ITEM	FEATURE	METHOD	NOTES
1	CORRECT REEL NO. AND ORIENTATION	VISUAL	
2	BEAM MATING RADIUS ON PLASTIC	VISUAL	
3	NO BEAM TIPS IN WINDOW	VISUAL	
4	FLASH PER NOTES ② & ③	VISUAL	
5	CAMBER/TWIST/COILSET PER EGPS-201	VISUAL	
6	COMPLIANT COIN RADIUS	VISUAL	

* ALL BALLOONED DIMENSION IN THIS SHEET MUST HAVE AN ACTUAL MEASUREMENT VALUE

NOTES:

23 THESE FEATURES MUST BE MEASURED IN-PROCESS USING SPC.



GENERAL SPECIFICATIONS

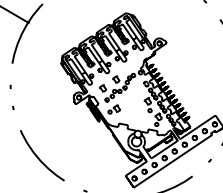
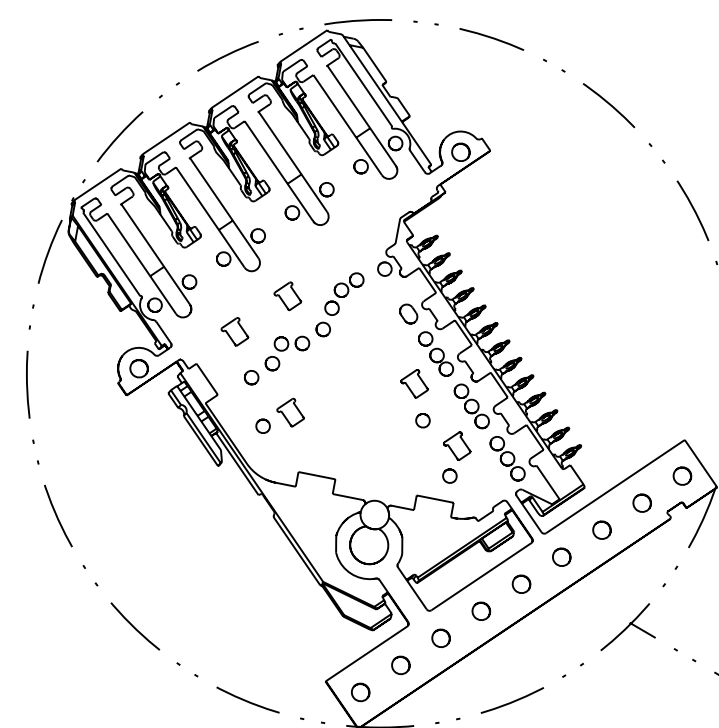
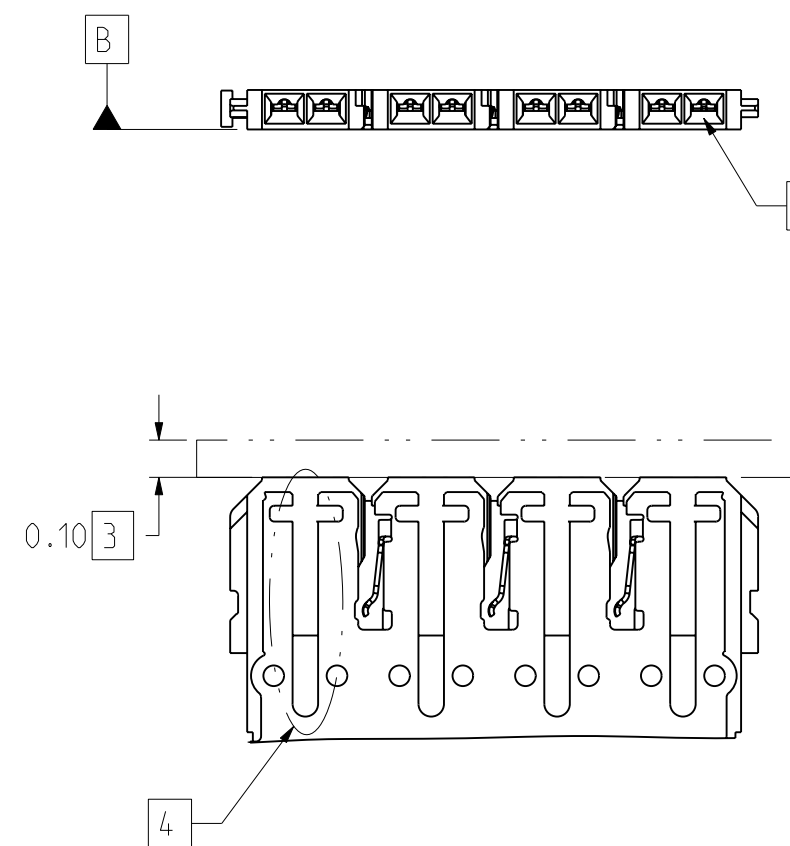
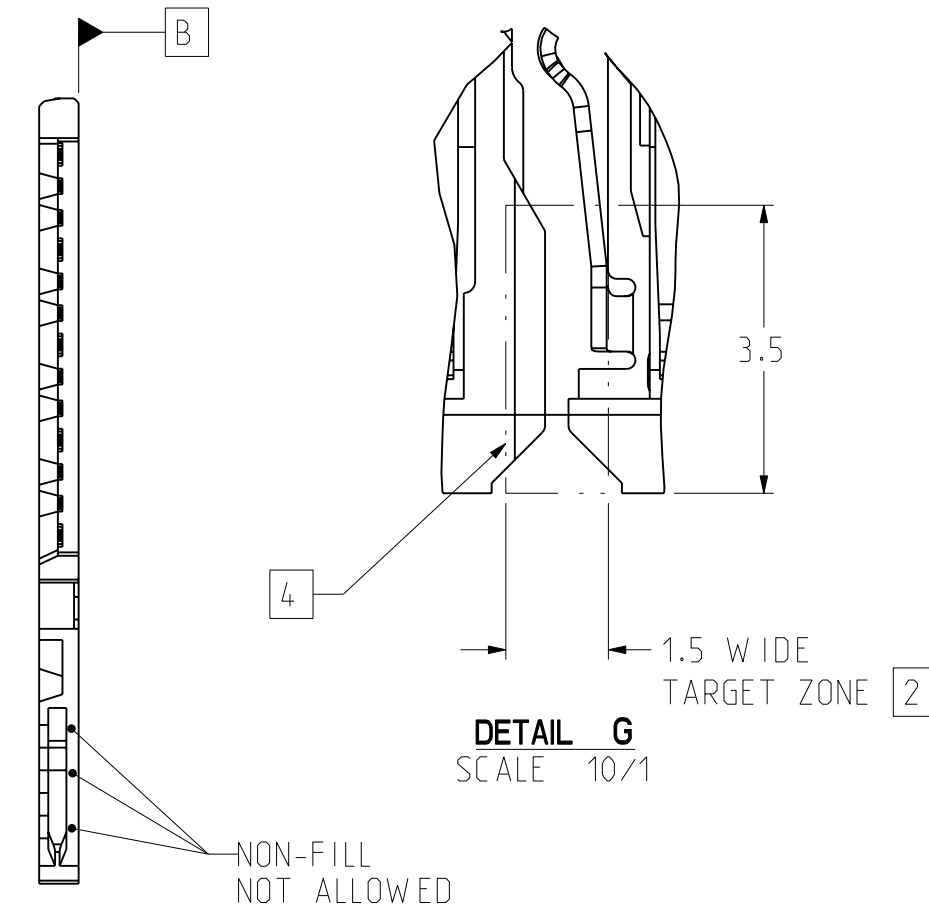
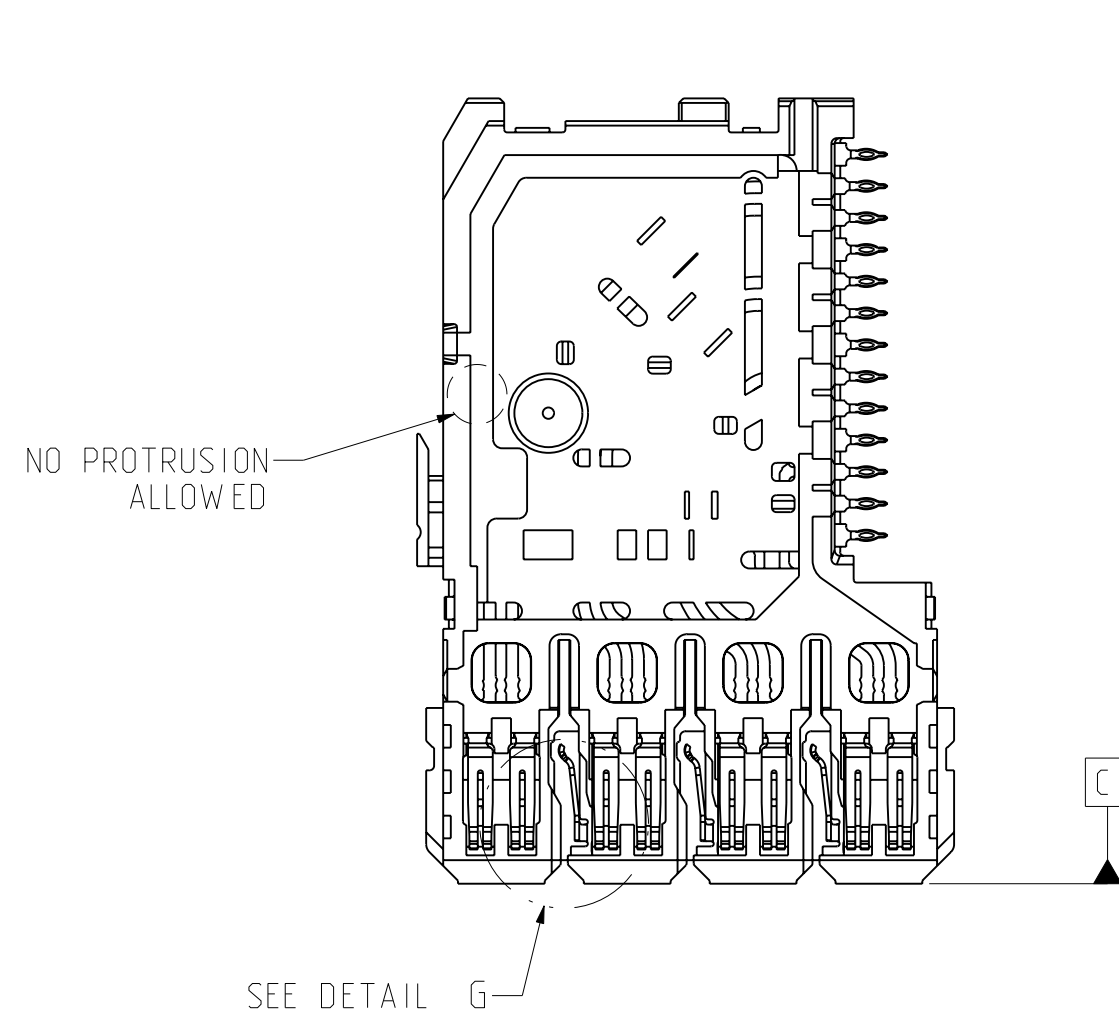
0.20 FLASH ACCEPTABLE

- | | |
|---|-----------------------|
| 1 | WINDOW FLASH 0.05 MAX |
| 2 | 0.10 MAX |
| 3 | 0.10 MAX |
| 4 | 0.30 MAX SEE NOTE 1 |

NOTE:

1. FLASH NOT TO EXCEED OVERALL THICKNESS SPECIFICATIONS

FLASH MAP VIEWS



SCALE 1/2

TOLERANCES		DESIGN 10/02/2010 M.RECEPUTO
0.0	±0.15	DRAWN 02/28/2011 HCL-MR
0.00	±0.05	CHK 02/28/2011 T.COHEN
0.000	± -	APVD 02/28/2011 T.COHEN
ANGLES	± 1°	

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AMPHENOL CORPORATION.

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

TITLE	DC WAFER, OVERMOLDED, B 4 PAIR, GbX TW W/O CAPS, .0177" DR
PART NO.	

SEE TABLE 1 & 2	
DRAWING NO. P 15/ 4522 500	REVISION

ASSEM: P1199-4P-DC-WAFER-B-OVERMOLD	1.1
DRAWING: P-154-4522-500	C

SIZE 0	SCALE 3/1	SHEET 6 OF
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PROFILE MEASURING TECHNIQUE

Mouser Electronics

Authorized Distributor

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