

4

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RELEASED FOR PUBLICATION

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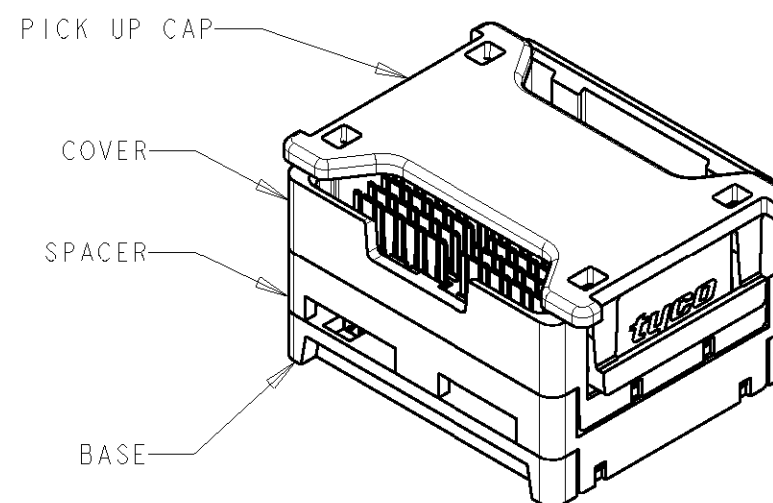
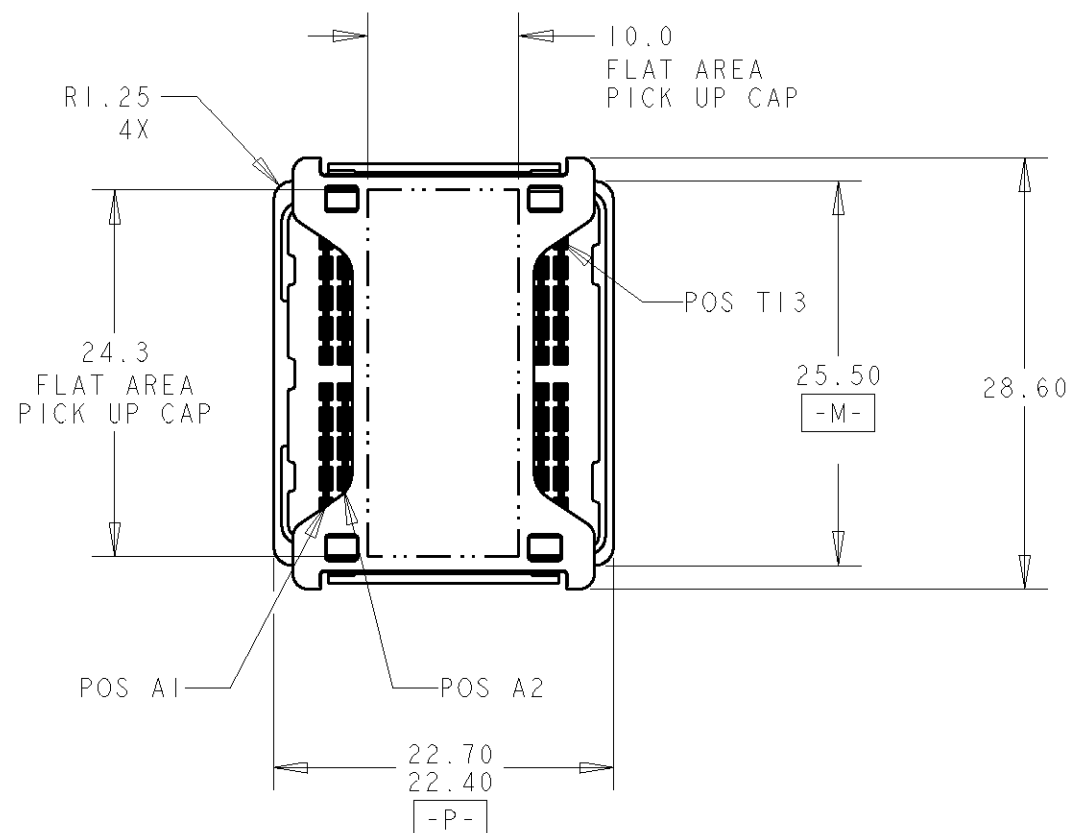
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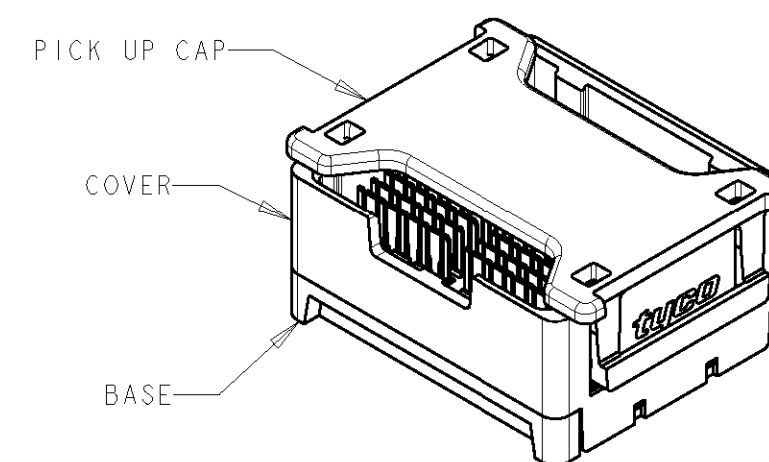
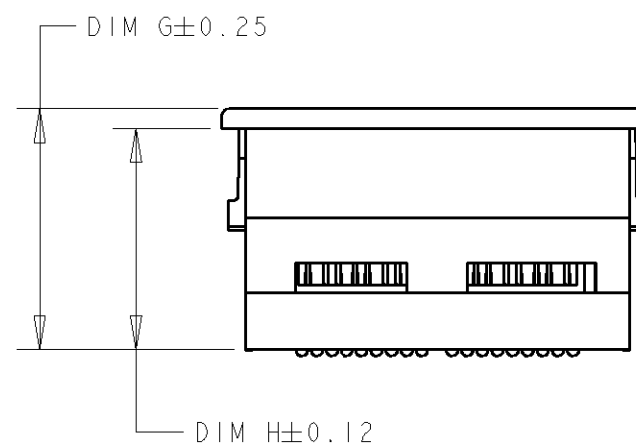
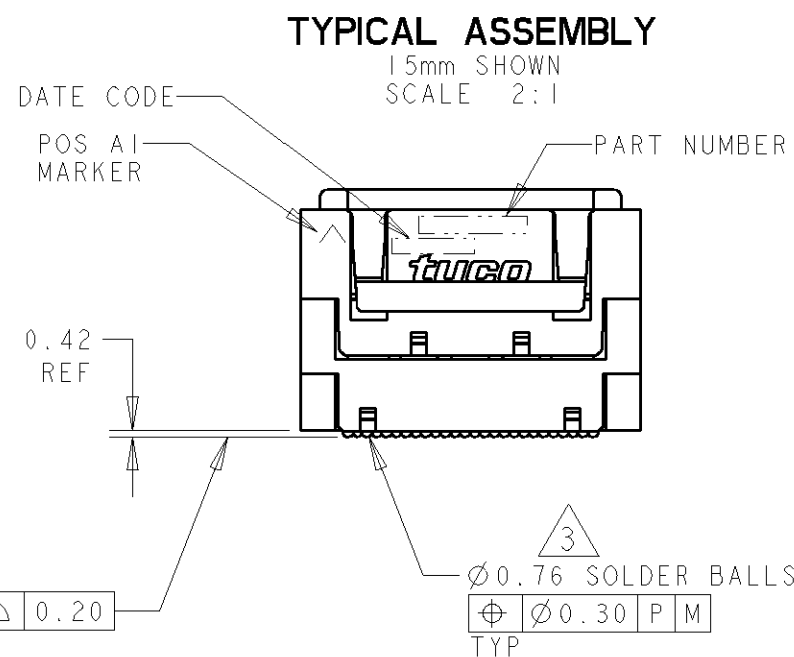
LOC
GPDIST
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO-05-015609	03JAN2006	BEC	DD
	A1	REV PER ECO-06-012257	05JUN2006	BC	DD



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
15mm & 20mm ASSEMBLY
SCALE 2:1



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
10mm, 12mm & 13mm ASSEMBLY
SCALE 2:1

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IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION
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DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC ±0.3
	1 PLC ±0.10
	2 PLC ±0.050
	3 PLC ±0.050
	4 PLC ±0.050
	ANGLES ±2°
MATERIAL	FINISH
1	2

DWN	P BRANDBERG	18JAN05
CHK	D WERTZ	20JAN05
APVD	D WERTZ	20JAN05
PRODUCT SPEC	108-2143	
APPLICATION SPEC	114-13101	
WEIGHT	-	
CUSTOMER DRAWING		

tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608	
NAME STEP-Z, PLUG ASSEMBLY, 104 SIGNAL POSITION			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1761612	-
SCALE -		SHEET 1 OF 3	REV A1

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-

1 MATERIAL:
BASE, SPACER, COVER: THERMOPLASTIC
PICK UP CAP: THERMOPLASTIC
CONTACT: COPPER ALLOY
SOLDER BALL: Sn/Pb FOR P/N 1761614-1 THRU 5-1761614-0
Sn/Ag FOR P/N 5-1761614-1 THRU 9-1761614-9

2 FINISH:
CONTACT: 0.00076 MIN GOLD OVER 0.00127 MIN NICKEL.
(30µ" MIN GOLD OVER 50µ" MIN NICKEL)

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

4 CONTACTS IN ROWS A,C,E,G,J,K,M,P,R, AND T
ARE SINGLE BEAM CONTACTS,
TYPICALLY USED AS GROUND PINS.
(NOTE: CONTACTS IN ROW J & K ARE TIED
TOGETHER [COMMONED]).

5 CONTACTS IN ROWS B,D,F,H,L,N,Q, AND S
ARE DUAL BEAM CONTACTS,
TYPICALLY USED AS SIGNAL PINS.

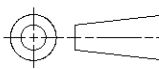
6 SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD
LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE
OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS
SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED
PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE
APPLICATION SPEC 114-13101.

19.65	20.95	-	20mm Sn/Ag	7-1761612-0
14.65	15.95	-	15mm Sn/Ag	6-1761612-5
12.65	13.95	-	13mm Sn/Ag	6-1761612-3
11.65	12.95	-	12mm Sn/Ag	6-1761612-2
9.65	10.95	-	10mm Sn/Ag	6-1761612-0
19.65	20.95	-	20mm Sn/Pb	2-1761612-0
14.65	15.95	-	15mm Sn/Pb	1-1761612-5
12.65	13.95	-	13mm Sn/Pb	1-1761612-3
11.65	12.95	-	12mm Sn/Pb	1-1761612-2
9.65	10.95	-	10mm Sn/Pb	1-1761612-0
DIM H	DIM G	LOAD STYLE	DESCRIPTION	PART NUMBER

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DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±0.050
4 PLC ±- ±2°
ANGLES
FINISH -

MATERIAL -

DWN 18JAN05
P BRANDBERG
CHK 20JAN05
D WERTZ
APVD 20JAN05
D WERTZ

PRODUCT SPEC
-
APPLICATION SPEC
-
WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME
STEP-Z, PLUG ASSEMBLY,
104 SIGNAL POSITION
-

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-1761612

RESTRICTED TO
-

SCALE -

SHEET 2 OF 3

REV A1

AMP 1470-19 REV 31MAR2000

2		1					
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-

D

C

B

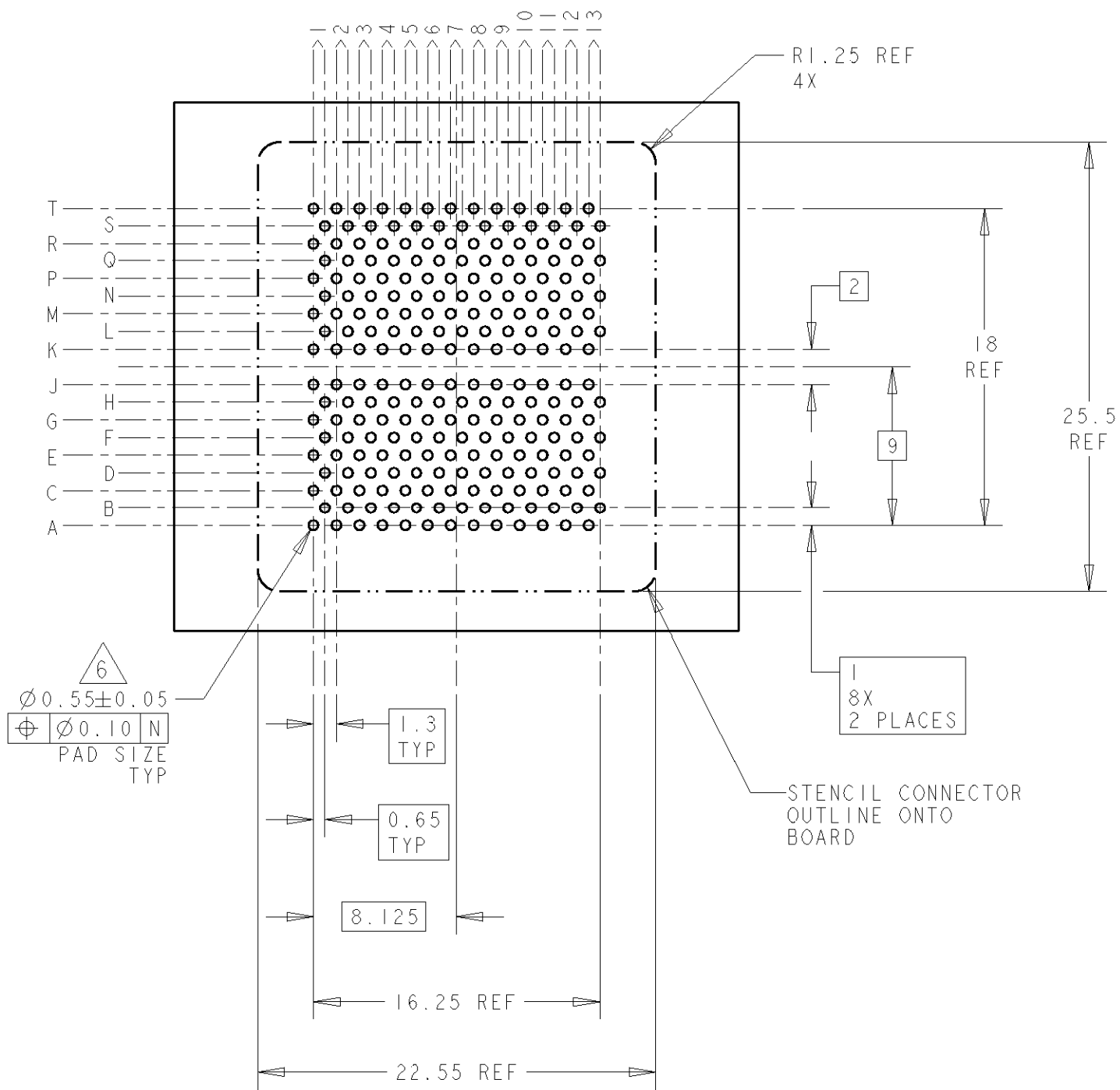
A

D

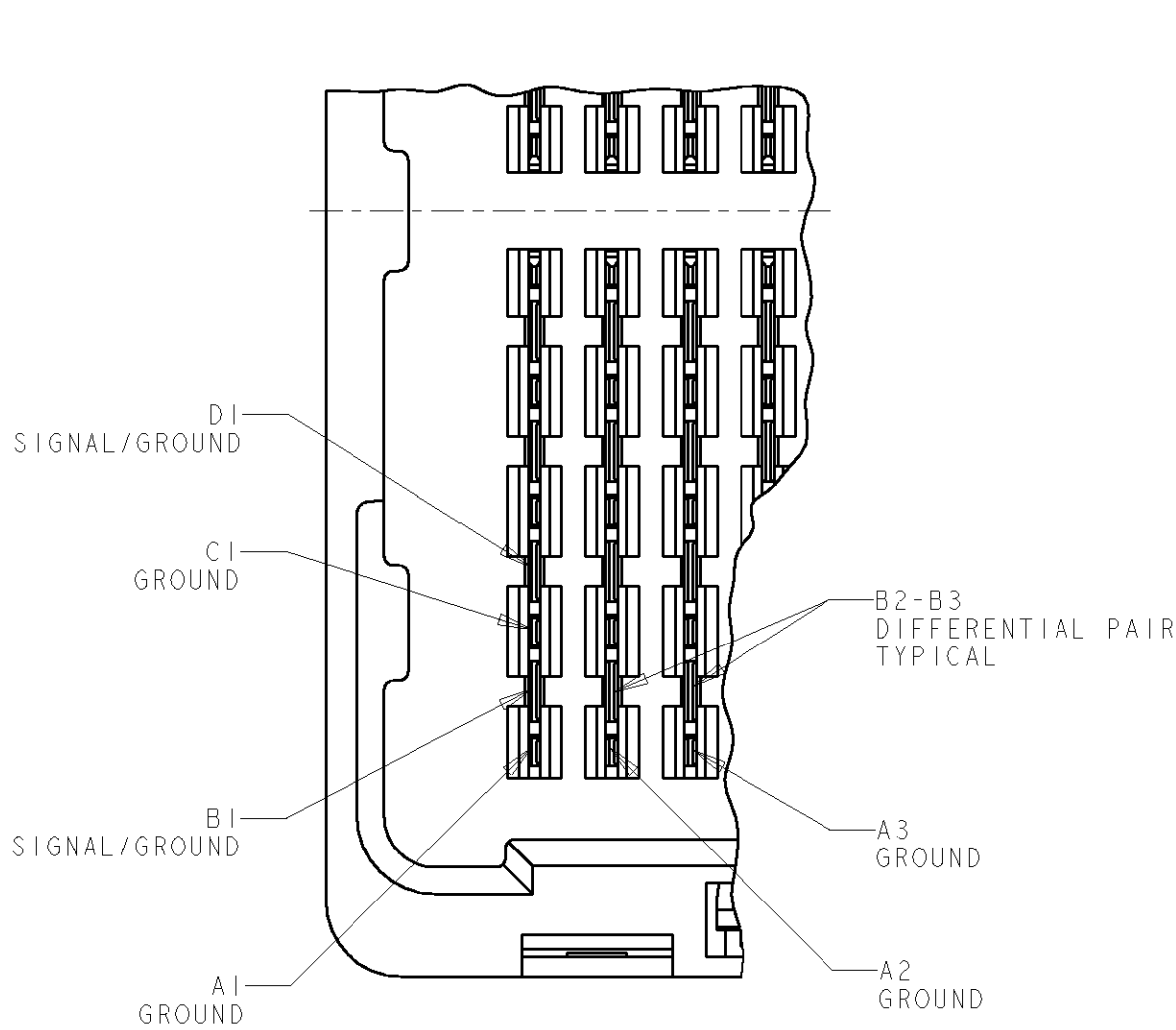
C

B

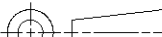
A



4 5 BOARD PATTERN
SCALE 3:1



PLUG INTERFACE
SCALE 8:1

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DIMENSIONS: mm		CHK D WERTZ 20JAN05	NAME STEP-Z, PLUG ASSEMBLY, 104 SIGNAL POSITION -			
		APVD D WERTZ 20JAN05				
		PRODUCT SPEC -				
		APPLICATION SPEC -				
MATERIAL -	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ± ANGLES ±2°	WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-1761612	RESTRICTED TO -
CUSTOMER DRAWING			SCALE -	SHEET 3	OF 3	REV A1