

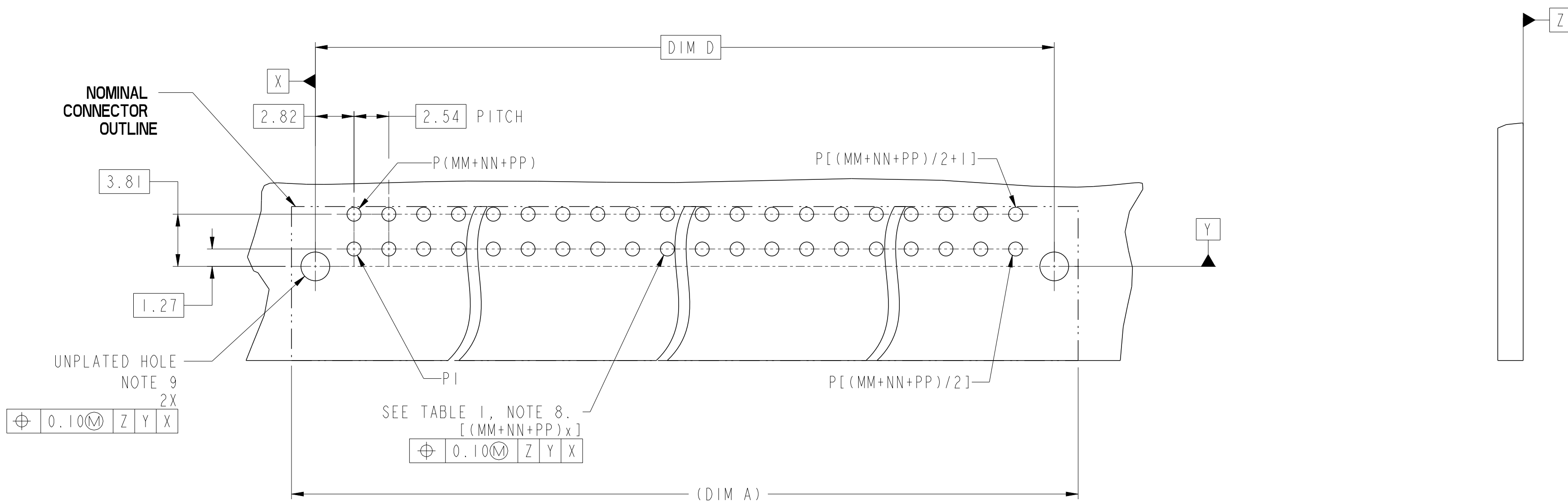
spec ref	-	dr	De-Ming Lu	2014/02/16	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/20			ecn no	ELX-DG-24133-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16						
surface	ISO 1302	appr	Pai-Ming Zheng	2016/06/16	product family		dwg no	10128638	rev	B
	linear	0.X	±0.5		HPCE RA RECEPTACLE UNIVERSAL DRAWING-ALL POWER		cat. no.	Product - Customer Drw	sheet 1 of 4	
		0.XX	±0.25							
	angular	0°	±2°							

PDS: Rev :B

STATUS:Released

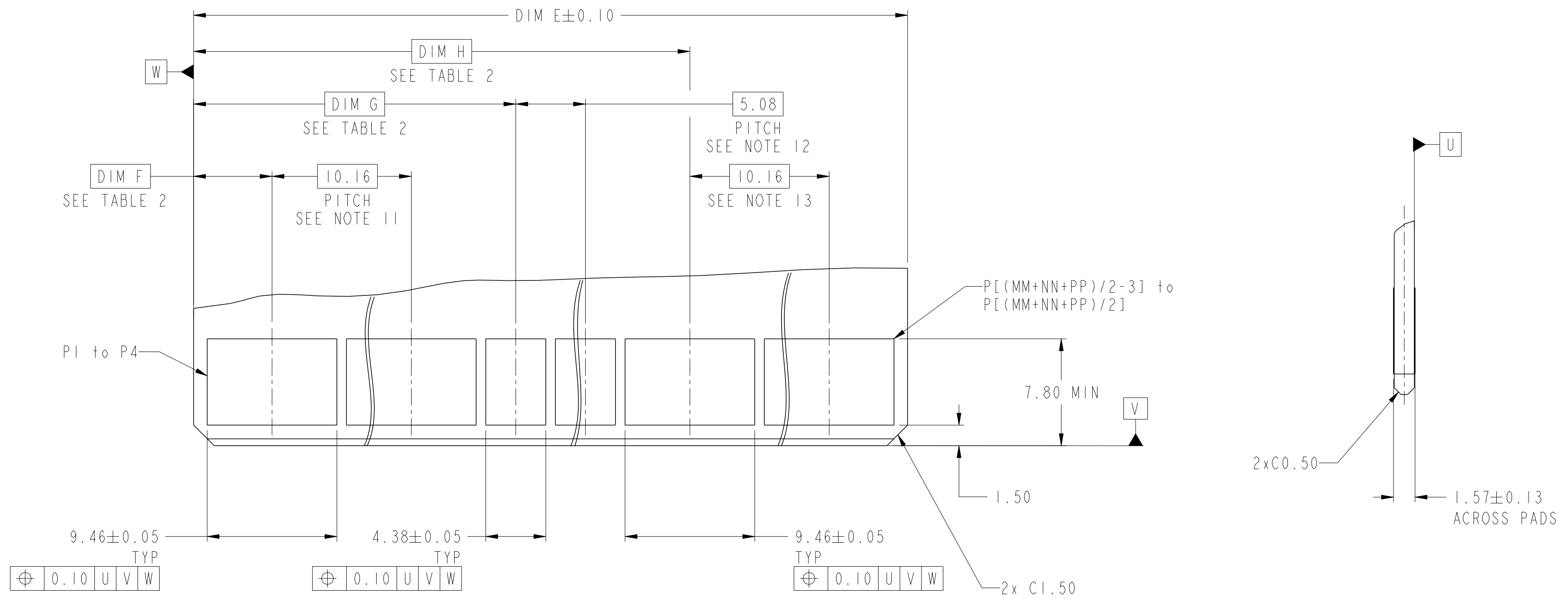
Printed: Jun 16, 2016

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10



RECOMMENDED PCB LAYOUT

spec ref	-	dr	De-Ming Lu	2014/02/16	projection	MM	size	A2	scale	4:1	
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/20			ecn no	ELX-DG-24133-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16							
		appr	Pai-Ming Zheng	2016/06/16							
surface	ISO 1302	linear	0.X	±0.5	product family		cat. no.	Product - Customer Drw	sheet 2 of 4	rev	B
		angular	0°	±2°	HPCE RA RECEPTACLE UNIVERSAL DRAWING-ALL POWER		dlg no	10128638			



RECOMMENDED MATING BOARD FOOT PRINT

Amphenol FCI

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spec ref	-	dr	De-Ming Lu	2014/02/16	projection	MM	size	A2	scale	4:1			
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/20			ecn no	ELX-DG-24133-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16			rel level	Released					
		appr	Pai-Ming Zheng	2016/06/16			product family						
surface	ISO 1302	linear	0.X	±0.5			title	HPCE RA RECEPTACLE		dwg no	10128638	rev	B
			0.XX	±0.25			cat. no.	Product - Customer Drw		sheet 3 of 4			
		angular	0°	±2°									

PDS: Rev :B

STATUS:Released

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10128638

MM

NN

PP

LF

LEAD FREE

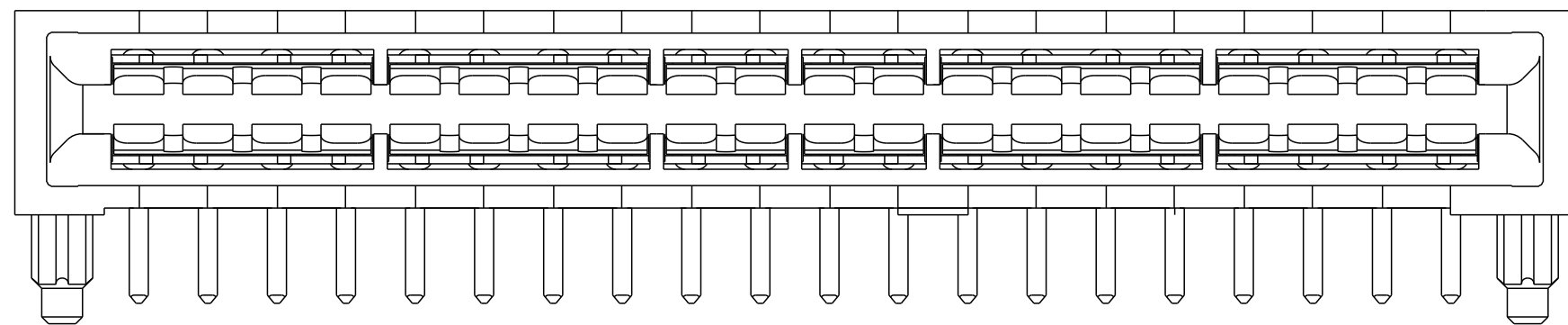


	A	B	C	D	E	F	G	H
Tail Length(DIM T)	2.60	2.60	3.25	3.25	4.05	4.05	4.85	4.85
Hold Down Option	Y	N	Y	N	Y	N	Y	N

4 BEAM PWR QTY
(NEXT TO LEFT END)

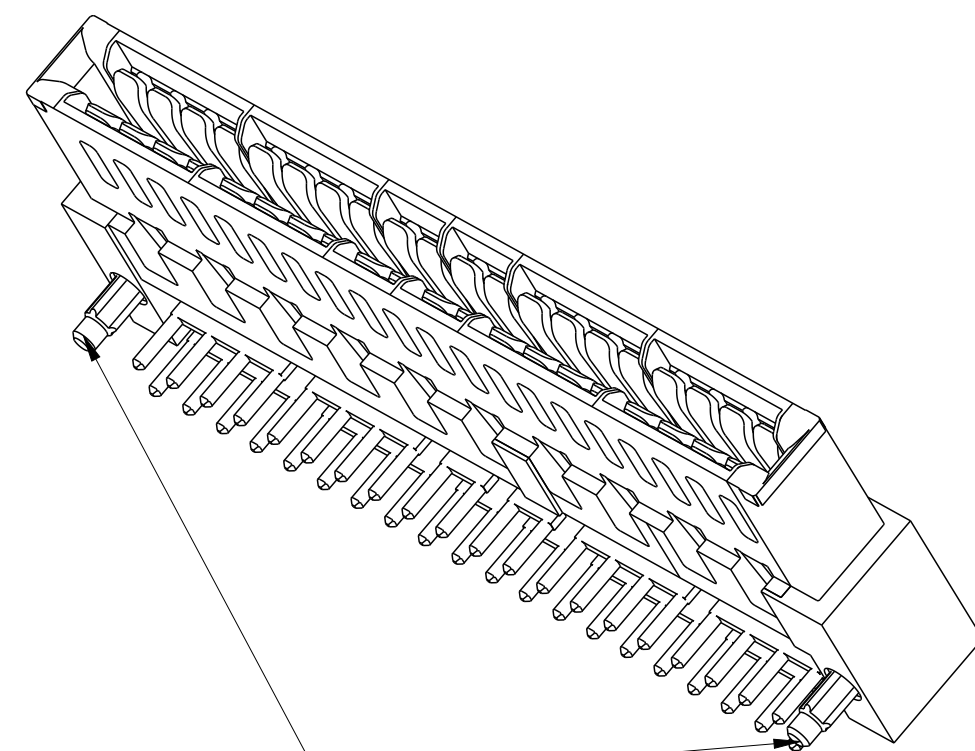
2 BEAM PWR QTY
(IN THE MIDDLE)

4 BEAM PWR QTY
(NEXT TO RIGHT END)



CONFIGURATION:

- I: 4BEAM (NN = 00 AND PP = 00);
- II: 2 BEAM (MM = 00 AND PP = 00);
- III: 4 BEAM + 2 BEAM (PP = 00);
- IV: 2 BEAM + 4 BEAM (MM = 00);
- V: 4 BEAM + 2 BEAM + 4 BEAM.



HOLD DOWN

EXAMPLE: 10128638-160816CLF

Example: The Configuration above is 10128638-160816CLF
R/A RECEPTACLE 40P with Hold Down.
32P is 4 beam contacts, 8P is 2 beam contacts.

TABLE 3: PART NUMBER CODE FOR HPCE R/A RECEPTACLE P CONFIGURATION

NOTES:

1. CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-604.
4. APPLICATION SPECIFICATION: GS-20-128.
5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS FCI SPECIFICATION GS-24-007.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
7. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
8. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
9. MOUNTING HOLES ARE UNPLATED
 $\varnothing 2.18 \pm 0.03$ FOR SOLDER TAILS
10. MAXIMUM OVERALL LENGTH IS 100mm.
11. DIM IS NOT APPLICABLE IF NO LEFT 4 BEAM CONTACT.
12. DIM IS NOT APPLICABLE IF NO 2 BEAM CONTACT.
13. DIM IS NOT APPLICABLE IF NO RIGHT 4 BEAM CONTACT.
14. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

DIM	TABLE 2: LENGTH FORMULAS	
DIM A	$(MM + NN + PP) / 2 \times 2.54 + 6.58$	
DIM B	DIM A - 5.00	
DIM C	DIM A - 2.34	
DIM D	DIM A - 3.48	
DIM E	DIM A - 5.30	
DIM F	CONFIG. I	5.72
	CONFIG. II	-
	CONFIG. III	5.72
	CONFIG. IV	-
	CONFIG. V	5.72
DIM G	CONFIG. I	-
	CONFIG. II	3.18
	CONFIG. III	$(MM / 8 - 1) \times 10.16 + 13.34$
	CONFIG. IV	3.18
	CONFIG. V	$(MM / 8 - 1) \times 10.16 + 13.34$
DIM H	CONFIG. I	-
	CONFIG. II	-
	CONFIG. III	-
	CONFIG. IV	$(NN / 4 - 1) \times 5.08 + 10.80$
	CONFIG. V	$(MM / 8 - 1) \times 10.16 + (NN / 4 - 1) \times 5.08 + 20.96$
DIM T	2.60, 3.25, 4.05 or 4.85	

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/06/16						
surface	linear	angular	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	Amphenol FCI	
ISO 1302	0°	±2°	UNIVERSAL DRAWING-ALL POWER		Product - Customer Drw		sheet 4 of 4			