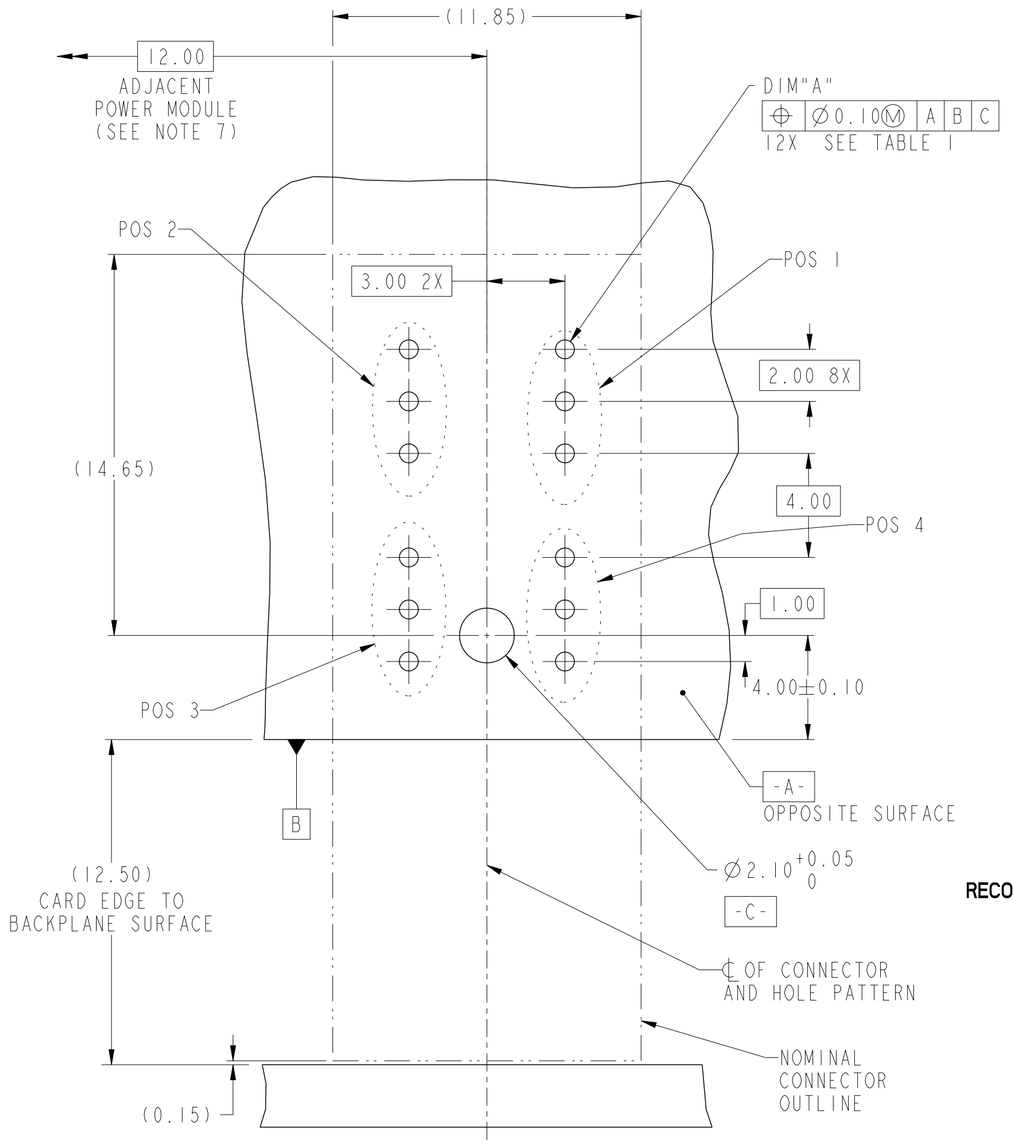
TOP LAYER DESCRIPTION	TABLE I PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER (DIM"A")
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER (SEE NOTE 11)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80



RECOMMENDED PCB LAYOUT,
COMPONENT SIDE
SCALE 6:1

NOTES:

1. CONNECTOR MATERIALS:
   HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
   UL 94V-0 COMPLIANT
   CONTACT: HIGH PERFORMANCE COPPER ALLOY
2. CONTACT PLATING:
   PRESS-FIT TAIL: 0.5um MIN MATT TIN OVER NICKEL.
   SEPARABLE INTERFACE: 0.76 um MIN GXT OVER NICKEL
3. PRODUCT SPECIFICATION: GS-12-220
4. APPLICATION SPECIFICATION: GS-20-023
5. PRODUCT MARKING (PRODUCT NUMBER & LOT CODE) ON HOUSING.
6. MINIMUM NOMINAL PCB THICKNESS: 1.6mm
7. REFER TO CUSTOMER DRAWING 1003591I REGARDING INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO SIGNAL MODULES.
8. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.
9. PACKAGING MEETS FCI SPECIFICATION GS-14-920.
10. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
11. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

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spec ref	GS-12-220	dr	Paulpandian, S	2013/03/11	projection	MM	size A2 / scale 1:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2019/04/23			ecn no ELX-DG-33324-1
		chr	-	-			
		appr	Heaven Cen	2019/04/25	product family -		rel level Released
surface - ASME Y14.5	linear 0.X ±0.3 / 0.XX ±0.10 / 0.XXX ±0.050 / angular 0° ±2°	Amphenol FCi	title: R/A HEADER ASSEMBLY, 2X2 AIRMAX POWER,11.5MM HEIGHT(PERFORMANCE BASED PLATING)		cat. no. -	Product - Customer Drw	dwg no 10124648 / rev D / sheet 2 of 2

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