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 12)	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

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 TIN-LEAD OVER NICKEL.
   SEPARABLE INTERFACE: 0.76um MIN GXT OVER NICKEL.

3. CONTACT PLATING (LEAD-FREE):
   PRESS-FIT TAIL: 0.5um MIN MATTE TIN OVER NICKEL.
   SEPARABLE INTERFACE: 0.76um MIN GXT OVER NICKEL.

4. PRODUCT SPECIFICATION: GS-12-220

5. APPLICATION SPECIFICATION: GS-20-023

6. PRODUCT MARKING (PRODUCT NUMBER & LOT CODE) ON HOUSING IN AREA SHOWN, EITHER SIDE.

7. MINIMUM NOMINAL BOARD THICKNESS: 2.4mm

8. REFER TO CUSTOMER DRAWING SKI0035911 FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO AIRMAX SIGNAL MODULES.

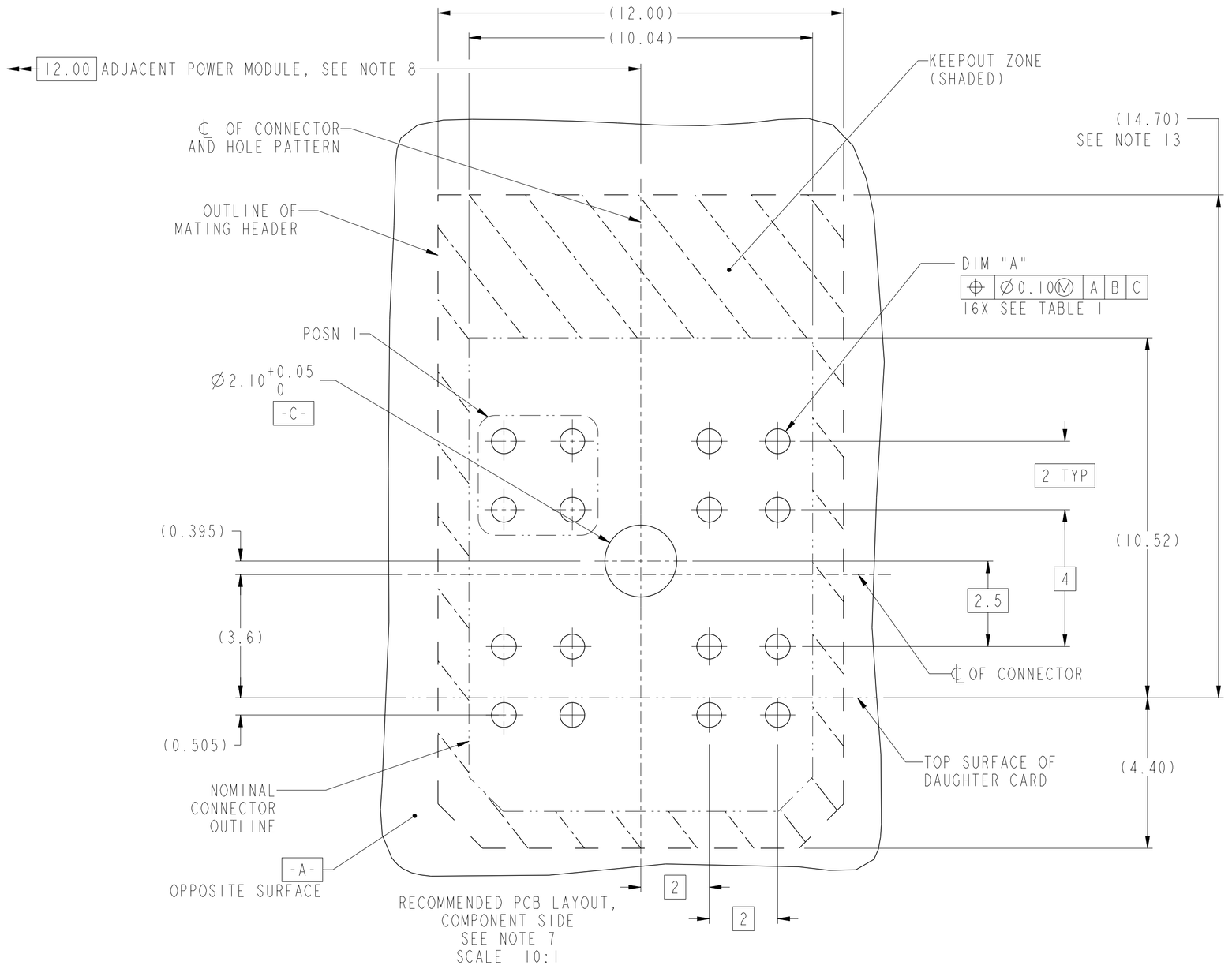
9. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.

10. PACKAGING MEETS FCI SPECIFICATION GS-14-920

11. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR-PHASE REFLOW OVEN.

12. COPPER PLATING THICKNESS AT CENTER OF VIA HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

13. KEEPOUT AREA APPLICABLE FOR HIGH PROFILE POWER HEADER WITH 14.70MM HEIGHT ABOVE TOP SURFACE OF DAUGHTER CARD. IT MAY BE 11.5MM IF A LOWER PROFILE HEADER IS USED.



spec ref	GS-12-220		dr	Chen-Hong Tan	2005/08/04	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	2mm High Power	rel level Released
surface 3.2 ASME Y14.5	linear	0.X ±.3	Amphenol FCi	title	2X2 VERTICAL RECEPTACLE ASSY AIRMAX POWER		dwg no 10028916	rev M
		0.XX ±.1						
		0.XXX ±.05						
	angular	0° ±2°		cat. no.	-	Product - Customer Drw		sheet 2 of 2

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