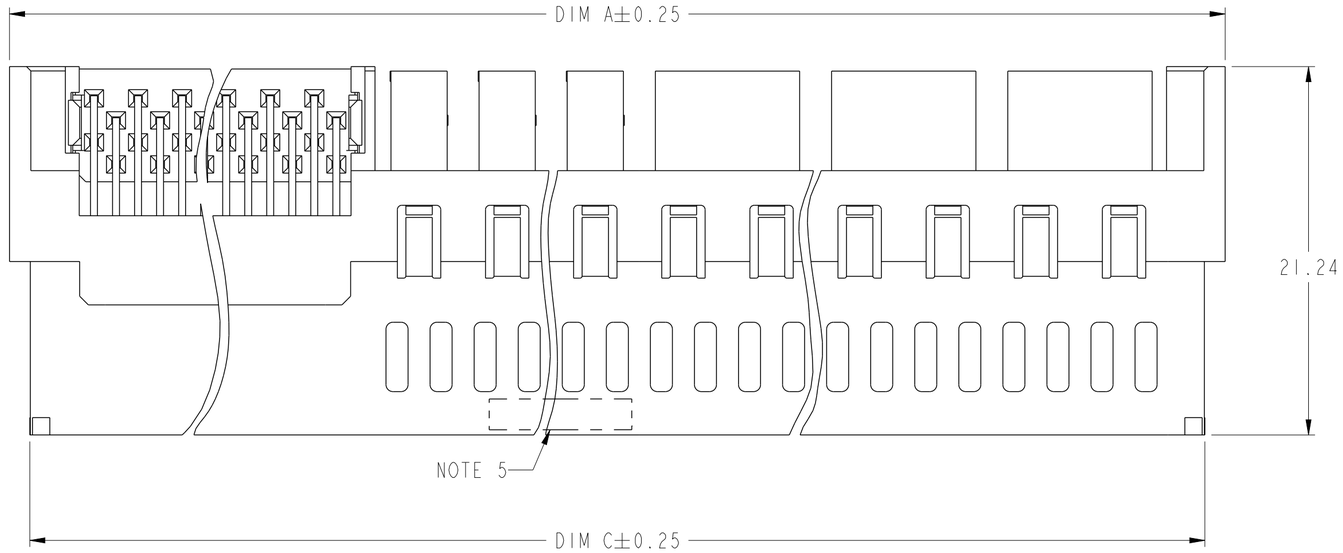
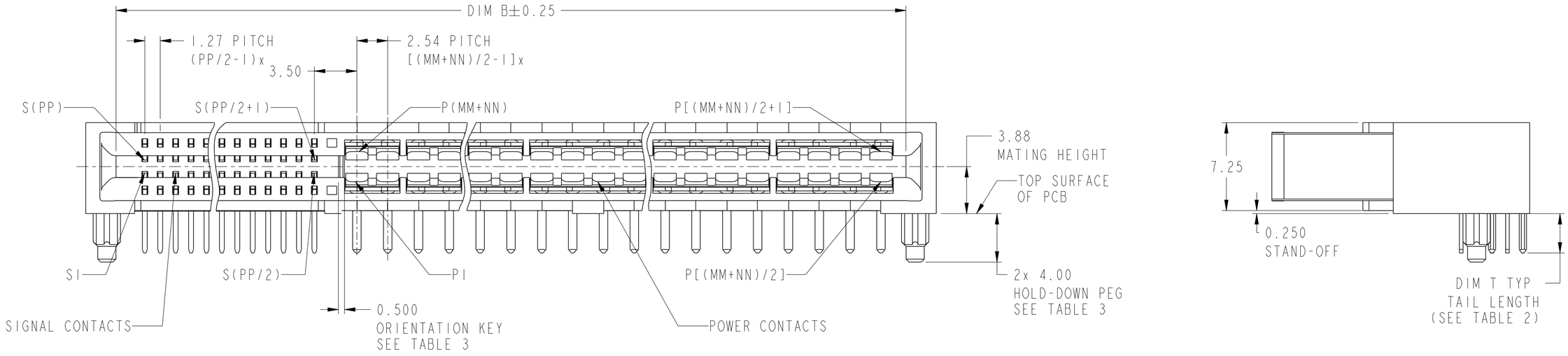
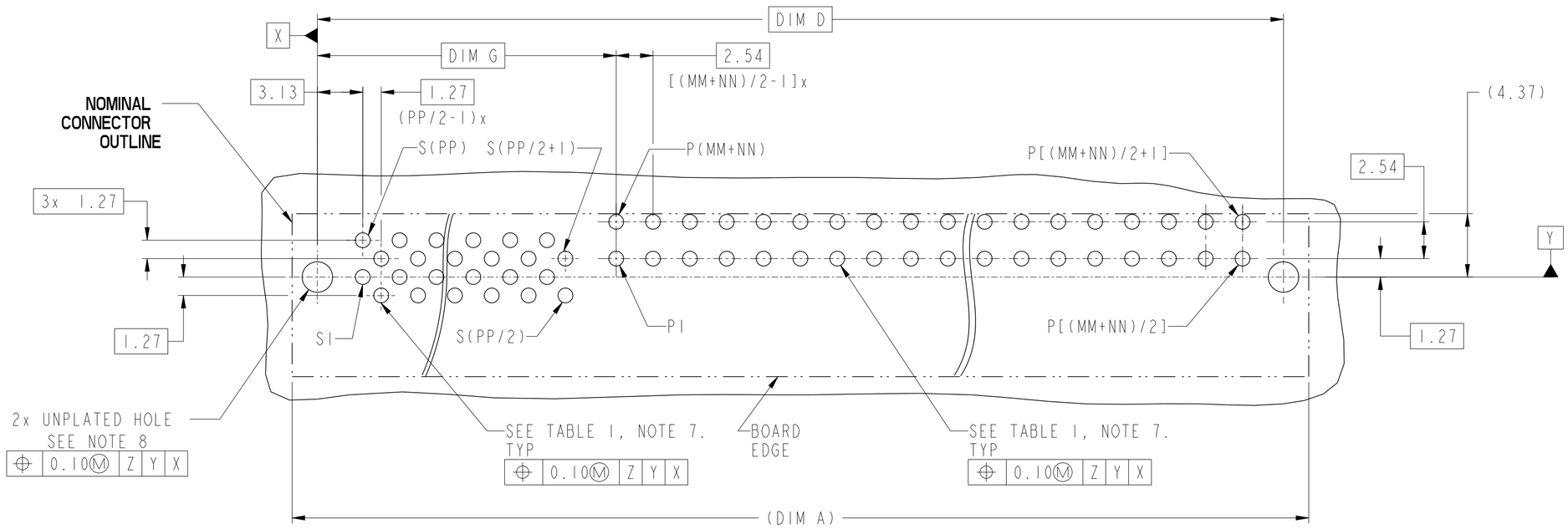




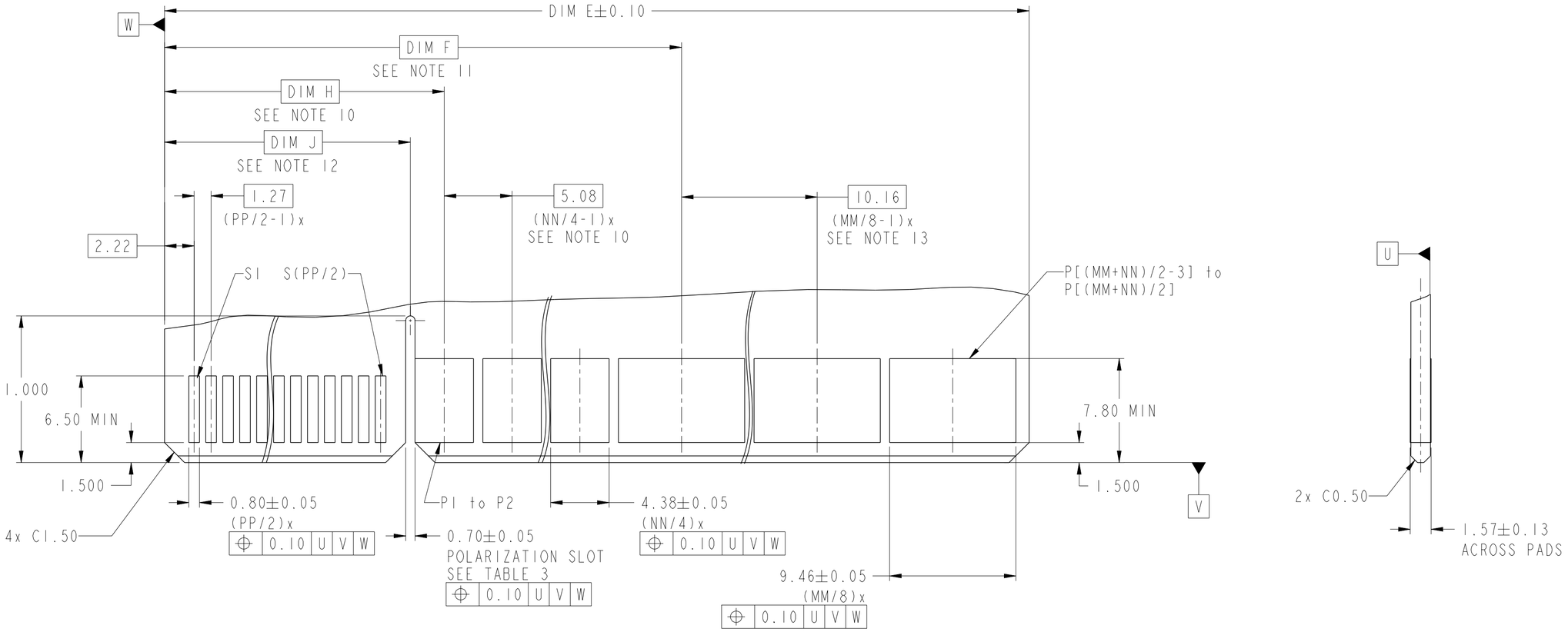
spec ref	-			dr	Hai-Ling Liu	2014/07/23	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/06			
				chr	Terris Liu	2016/05/20			ecn no ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level Released
surface ISO 1302	linear	0.X	±0.5	Amphenol FCi	title: R/A REC S+P STANDARD HIGH POWER CARD EDGE - UNIVERSAL		dwg no 10131077		rev C
		0.XX	±0.25						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 1 of 4

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 & SIGNAL	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
DIMENSION TOLERANCE IS ± 0.05mm

spec ref	-			dr	Hai-Ling Liu	2014/07/23	projection	MM	size A2	scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1
				chr	Terris Liu	2016/05/20				
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level	Released
surface ISO 1302	linear	0.X	±0.5	Amphenol FCI	title	R/A REC S+P STANDARD			dwg no	10131077	rev C
		0.XX	±0.25			HIGH POWER CARD EDGE - UNIVERSAL				
		0.XXX	±0.10							
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 2 of 4	



RECOMMENDED MATING BOARD FOOT PRINT
DIMENSION TOLERANCE IS ± 0.05 mm

spec ref	-		dr	Hai-Ling Liu	2014/07/23	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/06			
			chr	Terris Liu	2016/05/20			ecn no ELX-DG-24036-1
			appr	Pei-Ming Zheng	2016/05/24	product family		rel level Released
surface ISO 1302	linear	0.X ±0.5	Amphenol FCi	title	R/A REC S+P STANDARD		dwg no 10131077	rev C
		0.XX ±0.25			HIGH POWER CARD EDGE - UNIVERSAL			
		0.XXX ±0.10		cat. no.		Product - Customer Drw		sheet 3 of 4
	angular	0° ±2°						

10131077 - MM NN PP _ LF

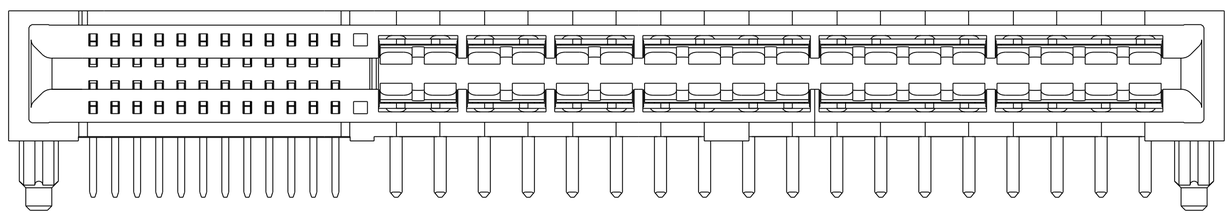
LEAD FREE

PP — SIGNAL CONTACT QTY

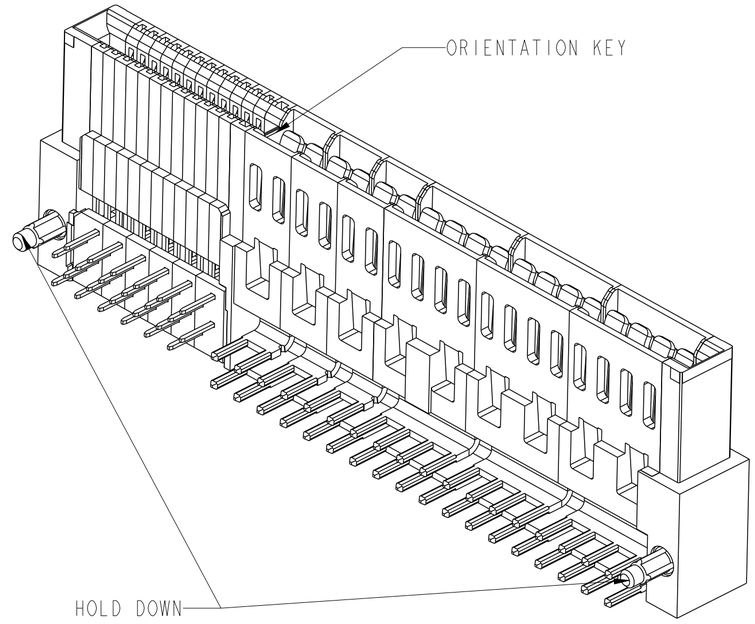
NN — 2 BEAM PWR QTY (NEXT TO SIGNAL)

MM — 4 BEAM PWR QTY (NEXT TO RIGHT END)

	A	B	C	D	E	F	G	H	J	K	L	M
Tail Length(DIM T)	2.6	2.6	2.6	2.6	3.25	3.25	3.25	3.25	4.05	4.05	4.05	4.05
Orientation Key	Y	N	N	Y	Y	N	N	Y	Y	N	N	Y
Hold Down Option	Y	Y	N	N	Y	Y	N	N	Y	Y	N	N



Example: The Configuration above is 10131077-241224ELF
R/A RECEPTACLE 24S36P with Orientation Key and Hold Down.
24P is 4 beam contacts, 12P is 2 beam contacts.



EXAMPLE: 10131077-241224ELF

TABLE 3: PART NUMBER CODE FOR HPCE R/A RECEPTACLE S+P CONFIG

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. (C) PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS FCI SPECIFICATION: GS-24-007.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
8. MOUNTING HOLES ARE UNPLATED
   ∅ 2.18 +/- 0.03 FOR SOLDER TAILS
9. MAXIUM OVERALL LENGTH IS 100mm.
10. DIM IS NOT APPLICABLE IF NO 2 BEAM CONTACT.
11. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT.
12. DIM IS NOT APPLICABLE IF NO ORIENTATION KEY.
13. A SYMBOL (C) 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 (11)	(MM + NN) / 2 x 2.54 + (PP / 2) x 1.27 + 9.12
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	(PP / 2 - 1) x 1.27 + (NN / 4 - 1) x 5.08 + 14.61 (WITH 2 BEAM CONTACT)
	(PP / 2 - 1) x 1.27 + 9.53 (WITHOUT 2 BEAM CONTACT)
DIM G	(PP / 2 - 1) x 1.27 + 6.63
DIM H	(PP / 2 - 1) x 1.27 + 6.99
DIM J	(PP / 2 - 1) x 1.27 + 4.45
DIM T	2.6 or 3.25

spec ref	-	dr	Hai-Ling Liu	2014/07/23	projection: MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sunny2 Liu	2016/05/06	size A2 / scale 4:1
		chr	Terris Liu	2016/05/20	ecn no ELX-DG-24036-1
		appr	Pei-Ming Zheng	2016/05/24	product family / rel level Released

surface ISO 1302	linear	0.X	±0.5	Amphenol FCi	title: R/A REC S+P STANDARD HIGH POWER CARD EDGE - UNIVERSAL	dwg no 10131077	rev C
		0.XX	±0.25				
		0.XXX	±0.10				
	angular	0°	±2°		cat. no. / Product - Customer Drw		sheet 4 of 4

Creo File - REV E - 2016-02-12

PDS: Rev :C STATUS: Released Printed: May 24, 2016