1.0		0,	0 ₁			RoHS	
Initial Release			Contact Resistance : 20 milliohms Max at 1 AMP DC. Insulation Resistance : 1000 magohms at 500 VDC Dielectric Withstanding Voltage : 1000 VAC/rms 60Hz for 1 minute Current Rating : 3 AMP Volatge Rating : 250 VAC/rms 60Hz	Shell : Steel, 1004" Tin Over 504" Clinch Nut : Brass, Nickel Plated Boardlock : Brass, Tin Plated. Screwlock : Brass, Nickel Plated. Electrical	Product Specification Material Insulator : Glass-Filled Thermoplastic	Compliant	
N. Boon			20 milliohms CCE: 1000 DC DC Afor 1 minute AMP AMP 60 VAC/rms 60	Tin Over 50u" Nickel Plated. Tin Plated. Nickel Plated.	cation illed Thermoplo	Customer Drawing	.2
19-Sept-2014 MAT'L.:			ΗZ	min Copper	vstic PBT, UL94V-0		·3
-, 	Cobb				0	-	
FINISH:	Techno		Dimensions Positions 9 15 37 37	<u>14.7</u> 6.1	8.36 2.84	- -	4
			А 30.81 53.05 69.40 В с	<u>5.08</u>			თ
	2mm Footprint xx: ± 0.25 x: ± 3.0 x.xx: ± 0.13 x.x: ± 1.5 x.xx: ± 0.13 x.x: ± 1.0	7.9 12.55	B C 24.99 16.92 33.30 25.25 63.50 55.42	08 5.95 5.8 F 14.4	₹ 7.9 12.55 0 UNC	· -	. 6
	APPD.:				2.84±0.05	-	
Boon REV.:1.0	D-Sub, Right Angle, PC Tail	RECOMMENDED PCB LA	Е 11.08 19.39 19.39 49.86 в=0.05 Е=0.05		E±0.05	-	. 7
: 107-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	il : 107-XXXXXXXXXXXX	AYDUT		Г		-	. 8
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1.0 Initial Release REV. ECN. 1 1					Dielectric Withstanding 1000 VAC/rms 60Hz for Current Rating : 3 AMP Volatge Rating : 250 VA	Contact Resistance : Max at 1 AMP DC. Insulation Resistance magohms at 500 VDC	eel, 100u" : Brass, : Brass, : Brass, : Brass,	Product Specification Material Insulator : Glass-Filled The Contact : Brass	,1 RoHS Compliant Cu:
N. Boon 19-S DR.BY 2					standing Voltage : 60Hz for 1 minute : 3 AMP : 250 VAC/rms 60Hz	e : 20 milliohms ce : 1000 DC	Tin Over 50u" min Nickel Plated. Tin Plated. Nickel Plated.	ication illed Thermoplastic	² Customer Drawing
DATE 3							Copper	PBT, UL94V-0	_ل ي-
4	b Technol	25.3	6.1 		Positions 9 15 25 37	I I	20.9 6.1	8.36 2.84	4
SCALE: NTS	$\begin{array}{c} \begin{array}{c} xx \pm 0 \\ xxx \pm 0 \\ xxxx \pm 0 \\ xxx + 0 \\ xxx \pm 0 \\ xxx + 0$				B 24.99 33.30 47.04 63.50	.4mm		7.9	ת > _ היי
SHEET: 2/6 DR:	x: ± 3.0 III.E: x.x: ± 1.5 APPD::			5-1	C D 16.92 16.33 11. 25.25 24.70 19 38.96 38.40 33 55.42 54.80 49	tprint <u>2.84</u>		.84±0.05	ົດ
N. Boon REV.: 1.0 DAT	D-Sub, Right Angle, PC Tail PART NO : 107-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		-H-277#005 Colotgos VSUU RECOMMENDED PCB LAYOUT	B±0.05 E±0.05	E 11.08 19.39 33.24 49.86		RECOMMENDED PCB LAYOUT FEMALENMALE	B±0.05 E±0.05 ++++++++++++++++++++++++++++++++++++	7
DATE: 19-Sept-2014		m			01		α ¹	≻∣	ω

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1.0 Initial Release REV. ECN. NO.			Insulation Resistance : magohms at 500 VDC Dielectric Withstanding 1000 VAC/rms 60Hz for Current Rating : 3 AMP Volatge Rating : 250 VA	Clinch Nut : Brass, Boardlock : Brass, Screwlock : Brass, Electrical Contact Resistance Max at 1 AMP DC.	Product Specif Material Insulator : Glass-F Contact : Brass Shell : Steel, 100u'	1 RoHS Compliant
N. Boon 19-Sept-2014 DR.BY DATE			on Resistance : 1000 s at 500 VDC c Withstanding Voltage : .C/rms 60Hz for 1 minute Rating : 3 AMP Rating : 250 VAC/rms 60Hz	~	ication illed Thermoplastic Tin Over 50u" min (2 Customer Drawing
13 MAT ⁻ L::					PBT, UL94V-0 Copper	5
Technolog	50 Positions	6.1 2.84x2=5.68	A 30.81 39.20 53.05 69.40			4
xx: ± 0.25 x: xx: ± 0.13 x.x: xxx: ± 0.13 x.x: unit: mm scale: NTS Scale: NTS	ons Machined Pin (W/O Rear Cover)	6.1 0 1 0 52.20 52.20 52.20 6.1 0 0 10.9 15.35 15.35	16.92 25.25 38.96 55.42		7.9 05 12.55	თ
± 3.0 mile : ± 1.5 mile : ± 1.0 Appb.: ± 1.0 Appb.: ± 1.0 Appb.: ± 1.0 Appb.:	$\begin{array}{c} e_{\text{P}} \\ \hline \\ C_{\text{Ver}} \\ \hline \\ \hline \\ 2.84 \\ \hline \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 19.39 0 33.24 0 49.86	RECOMMENDED	2.84±0.05	ັດ
D-Sub, Right Angle, PC Tail PART N0 : 107-XXXXXXXXX DWG. N0.: 107-XXXXXXXXXXX N. Boon T7 REV.:1.0 DATE: 19-Sept-2014 18		RECOMMENDED PCB LAYOUT FEMALENMALE	F 19.20 27.70 41.10 57.30	M <u>ended pcb layout</u> femalenmale	B±0.05 E±0.05 ++	7
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	1.0 Initial Release							Volatge Rating : 250 VAC/rms 60Hz	Dielectric Withstanding 1000 VAC/rms 60Hz for	Insulation Resistance : magohms at 500 VDC	Contact Resistance : 2 Max at 1 AMP DC.	Screwlock : Brass, Nich Electrical	Brass, Brass,		Material Insulator : Glass-Filled Contact : Brass	Product Specification	RoHS Compliant Cust	
	N. Boon 19-Se							/AC/rms 60Hz	Valtage : r 1 minute	1000	20 milliohms	Nickel Plated.	Nickel Plated. Tin Plated.	Tin Over 50u" min Copper	Glass-Filled Thermoplastic PB Brass	tion	Customer Drawing	2
3	19-Sept-2014 MAIL: DATE		$\frac{1}{5}$							Dim			4.1		PBT, UL94∨-0	<u>8.36</u>		δ
4	- F			50 Positions			2.84x2=5.68		39.20 53.05 69.40	Dimensions Positions A a 30.81	9.4mm Footprint			6.1	10. MMM	2.84 ++	A	4
5					55.10		52.81 52.20 44.32	67.0 61.0	33.30 25.25 47.04 38.96 63.50 55.42	B C C	Machined			<u>5.8</u>	9.3.05 Clear hole			- س
6	SCALF: NTS SHEET: 4/6	3 X.XX: ±	x.x: ± 0.25 x: ± 3.0 x.xx: ± 0.13 x.x: ± 1.5	x = 2.54 or Machined Pin (W/O Rear Cover)	<u>× 9.5</u>	4.1 05 15.3 Clear hole	<u>10.90</u> 5		$\left \right $	D E	Pin (W/O Rear Cover)	× + + - - - - - - - - - - - - - - - - -		<u>2.84</u> :				
\square	DR.: N. Boon		TITLE: D-Sub, Right Angle, PC Tail	or 2.84 mm		IMMENDED PCB LA	E±0.05	а +- Э Э Л	77.20 27.70 41.10 57.30	19 20		= 2.54 or 2.84 mm	FEMALENMALE	הבינואשבאוחבם הנש ו מינוו. ייייייי	2.77±0.05 01 0±0.05	B±0.05		, 7
	REV.: 1. 0 DATE: 19-Sent-2014	PART NO : 107-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	le, PC Tail			E.E	-01.0+005 -03.05+005								—ø3.05±0°s			- 8
	14								0			1	ω'			≥∣		

्रिया				m'	D,		0	ω	≥	
	1.0 Initial Release			 5. Tin, not dimple 6. Cr⁺⁶yellow chrome, dimple 7. Special tin, dimple 8. Cr⁺³yellow chrome, dimple 9. Matte tin 9. Natte tin tetod(With Y-S Logo) B. Tin plated(With Y-S Logo) 	 9. Matte tin A. 30u" selective gold on con B. 15u" gold flash full gold d. Shell plating 0. Cr⁺³ yellow chrome 1. Nickel(standard) 2. Tin 3. Cr⁺⁶ yellow chrome 4. Gold flash 	6.Gold flash full gold 7:Gold flash selective gold add plating 8:Full tin	 c. Contact Plating 0. Gold flash selective gold(standard) 1. 5u"selective gold on contact 2. 10u"selective gold on contact 3. 15u"selective gold on contact 4. 30u"selective gold on contact 5. 50u"selective gold on contact 	09: 09 positions 15: 15 positions 25: 25 positions 37: 37 positions b. Contact Type 1: Male 3: Male(r 2: Female 4: Female 6: Female(3.5mm) 8: Female(4.0mm)	a. No. Of Contacts:	,1 RoHS Compliant
DR.BY	N. Boon			imple imple Y-S Logo) Logo)	ntact;matte tin	gold add plating	gold(standard) contact n contact n contact n contact n contact n contact	09 positions 1:Blue 15 positions 2:Black 25 positions 3:White 37 positions 3:Creen 37 positions 5:Green 6:Black 6:Black Male 3: Male(reverse direction) 7:PC99 7:PC99 Female(3.5mm) 6.None	e. Insu	Customer Drawing
DATE 3	19-Sept-2014 MAT ¹ L.:				B:Grounding Strap full include(7,2mm) G:Grounding Hook Boardlock+2 prong(matte tin) D:Grounding Hook Boardlock+4 prong(matte tin) D:Grounding Hook Boardlock+4 prong(matte tin) E:Rear rivet, 4.0mm g.Flange Mounting Option 0: 0 3.05mm clear hole 1:#4-40 threaded hole	nook ocarutock / proug 8:Plastic, L-shaped bracket(suspend machined pin) 9:Grounding Strap full include(13.84mm) 4.Grounding Strap half include(13.84mm)	 Other Constraints Orounding Strap #4-40 threaded on panel Orounding Strap #4-40 threaded on PCB&panel Grounding Hook Boardlock+2 prong(Tin) Grounding Hook Boardlock+4 prong Grounding Strap, Clear hole Grounding Strap, Clear hole Plastic, Grounding Strap+Grounding Hook Boardlock 2 prong 	1:Blue 9:PC99 Purple 2:Black(standard) A:Black W/O halogen 3:White 4:Gray 5:Green 6:Black(high temperature) 7:PC99 red 8:PC99 yellow f.Rivet Options	e. Insulator Color	ing ,3
4	T	ODD I CCI	$\frac{1}{2}$		S:Front nuts #4-40unc T:#4-40 threaded hole te tin) U:#4-40 threaded hole W:#4-40 threaded hole W:#4-40 threaded hole X:#4-40 threaded hole Y:#4-40 threaded hole	0:#4-40 hined pin) P:Front Q:#4-40 R:#4-40	el F: #4-40 el F: #4-40 &panel H: M3 bos 1: #4-40 1: #4-40 1: #4-40 1: #4-40 1: #4-40 M: Front L: #4-40 M: #4-40 0: #4-40	$\begin{array}{c} 2: \pm 4-40\\ 3: \pm 4-40\\ 5: \pm 4-40\\ 6: N2.6\\ 3: \pm 4-40\\ 9: Front\\ 9: Front\\ A: \pm 4-40\\ D: \pm 4-4$	<u>Indering Informa</u> 7 - XX X X X X X c d e f	4
5	FINISH: UNIT:				* * * * * * * *	threaded noie with #4-40 unc(3.6411.0mm/SGTEWIOCK DUIK-PACKED hex rivet(5.0mm), W3 threaded hole with screw locking type M3(5.8*10.8mm) threaded hole with screw locking type #4-40 unc(5.8*11.8mm)	F:#4-40 threaded hole with M2.66.5 (\$*11 Smm)screwlock installed G:#4-40 threaded hole with #4-40 unc(5.8*10.8mm)screwlock installed H:M3 boardlock I:#4-40 threaded hole with #4-40 unc(5.8*11.8mm)screwlock installed I:#4-40 threaded hole with #4-40 unc(4.8*11.8mm)screwlock installed I:#4-40 threaded hole with #4-40 unc(4.8*11.8mm)screwlock installed I:#4-40 threaded hole with screw locking type M3(5.8*11.8mm) K:Front hex rivet, 5.9mm(M3) M:Front round rivet, #4-40 unc N:#4-40 unc boardlock installed N:#4-40 threaded hole with #4-60 unc N:#4-40 threaded hole with #4-60 unc	2:#4-40 threaded hole with #4-40 unc(4.8*11.8mm)screwlock in 3:#4-40 threaded hole with #4-40 unc(4.8*11.8mm)screwlock bu 4:W3 threaded hole 5:#4-40 threaded hole with W3(4.8*11.8mm)screwlock installed 6:W2.6 threaded hole with W3(4.8*11.8mm)screwlock install 8:#4-40 threaded hole with Screw locking type #4-40 unc(4.80 9:Front hex rivet, 5.9mm (#4-40 unc) 9:Front hex rivet, 5	F F F F F F F F F F F F F F F F F F F	 ຫ
오	IT: mm	X.XX [*] : ±	± 0.25 x ² : ± 3.0 ± 0.13 xx ² : ± 1.5		with round "-" font #4-40 unc(6.1*11.94mm)screwlock installed with round "-" font #4-40 unc(5.0*10.0mm)screwlock installed with screw locking type with round "-" infant #4-40 unc(6.1*11.94mm) with #4-40 unc(3.9*10.7mm)screwlock installed with #4-40 unc(4.2*10.7mm)screwlock installed with #4-40 unc(5.0*10.0mm)screwlock installed with #4-40 unc(5.0*10.0mm)screwlock installed	uncto.s+11.omm/screwrock burk-packed locking type M3(5.8*10.8mm) locking type #4-40 unc(5.8*11.8mm)	<pre>threaded hole with M2.6(5.8*I) Sum)screwlock installed threaded hole with #4-40 unc(5.8*I0.8mm)screwlock installed ardlock with #4-40 unc(5.8*I1.8mm)screwlock installed threaded hole with #4-40 unc(4.8*I1.8mm)screwlock installed threaded hole with #4-40 unc(4.8*I1.8mm)screwlock installed+flat washer hex rivet, 5.9mm(M3) threaded hole with screw locking type M3(5.8*I1.8mm) round rivet, #4-40 unc unc boardlock installed threaded hole with stalled threaded hole with stalled</pre>	threaded hole with #4-40 unc(4.8*11.8mm)screwlock installed threaded hole with #4-40 unc(4.8*11.8mm)screwlock bulk-packed readed hole with M3(4.8*11.8mm)screwlock installed threaded hole with M2.6(4.8*11.8mm)screwlock installed threaded hole with Screw locking type #4-40 unc(4.80*11.80mm) hex rivet, 5.9mm (#4-40 unc) threaded hole with #4-40 unc(6.2*11.8mm)screwlock installed threaded hole with #4-40 unc(6.2*11.8mm)screwlock installed threaded hole with #4.6(5.8*11.8mm)screwlock installed threaded hole with M3(4.8*11.8mm)screwlock installed threaded hole with M3(5.8*11.8mm)screwlock installed threaded hole with M3(5.0*13.0mm)screwlock installed		σ
N. Boon REV.:1.0			TTTLE: D-Sub, Right Angle, PC Tail		nstalled stalled c(6.1*11.94mm)		 3:13.84mm footprint Type 1 (plastic long Type, Boardlock 7.2mm) 4:13.84mm footprint Type 2 (plastic long Type, Boardlock 13.84mm) sher 5:5.08mm footprint 6:3.0mm footprint 7:13.84mm footprint Type 3 (plastic short Type, Boardlock 7.2mm) 	1:Stamped contact 2:Machined contact 3:Machined contact(with shaped plastic) 4:Stamped contact(Phoshor Bronze) i.Ferrite Options 0:Without Ferrite 1:With Ferrite 1:With Ferrite 1:7.2mm footprint 2:9.4mm footprint	h. Contact Type	- `
1.0 DATE: 19-Sept-2014	DWG. NO.: 107-XXXXXXXXXXXX	PART NO : 107-XXXXXXXXXXX	Tail				pe 1 Boardlock 7.2mm) pe 2 Boardlock 13.84mm) sp 3 Boardlock 7.2mm)	h shaped plastic) hor Bronze)		
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REV. ECN. NO.							RoHS Compliant Cust
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თ [–]	HADOODU M	4.75					
<u>ب</u>	xx: ± 0.25 x: ± x.xx: ± 0.13 x.x: ± x.xx: ± 0.13 x.x: ± x.xx: ± 0.13 x.x: ±		#4-dathe				
6/6 DR:	± 3.0 TITLE : ± 1.5 :± 1.0 APPD.: CHKD::						ັດ
N. Boon	D-Sub, Right Angle, PC Tail PART NO : DWG. NO.:						- 7
REV.:1.0 DATE: 19	ile, PC Tail PART NO : 107-XXXXXXXXXX DWG. NO: 107-XXXXXXXXXXX						
DATE: 19-Sept-2014	XXXXX	m ¹		0		▶	