

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
<table><tr><td colspan="2"></td><td colspan="4">REGUA: X3</td><td colspan="4">PANEL: UTR</td><td colspan="3">TIPO DE BORNE</td></tr><tr><td>DE:</td><td>POSIÇÃO</td><td>NÚMERO DO BORNE</td><td colspan="10"></td><td>LARGURA</td><td>MODELO</td><td>FABRICANTE</td></tr><tr><td>BT14.3(NF)</td><td>14(3)</td><td>1</td><td colspan="10">RFF8.4(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>RFF8.4(NA)</td><td>14(3)</td><td>2</td><td colspan="10">B14.3(NA)/K14.3(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>B14.3(NA)/K14.3(NA)</td><td>14(3)</td><td>3</td><td colspan="10">K14.9(NF)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.9(NF)</td><td>14(3)</td><td>4</td><td colspan="10">K12.9(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K12.9(NA)</td><td>14(3)</td><td>5</td><td colspan="10">K14.3(BOBINA)/H14.4</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.3(BOBINA)</td><td>14(3)</td><td>6</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>S14.3</td><td>14(6)</td><td>7</td><td colspan="10">K12.10(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K12.10(NA)</td><td>14(6)</td><td>8</td><td colspan="10">K14.9(NF)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>H14.4</td><td>14(4)</td><td>9</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>RFF8.4(NA)</td><td>14(9)</td><td>10</td><td colspan="10">B14.9(NA)/K14.9(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>B14.9(NA)/K14.9(NA)</td><td>14(9)</td><td>11</td><td colspan="10">K14.3(NF)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.3(NF)</td><td>14(9)</td><td>12</td><td colspan="10">K12.9(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K12.9(NA)</td><td>14(9)</td><td>13</td><td colspan="10">K14.9(BOBINA)/H14.10</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.9</td><td>14(9)</td><td>14</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>S14.3</td><td>14(12)</td><td>15</td><td colspan="10">K12.11(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K12.11(NA)</td><td>14(12)</td><td>16</td><td colspan="10">K14.3(NF)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>H14.10</td><td>14(10)</td><td>17</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>S14.3</td><td>14(13)</td><td>18</td><td colspan="10">K14.13(BOBINA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.13(BOBINA)</td><td>14(13)</td><td>19</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>G10.4(L+)</td><td>14(15)</td><td>20</td><td colspan="10">K14.3(NF)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.3(NF)</td><td>14(15)</td><td>21</td><td colspan="10">H14.15</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>H14.15</td><td>14(15)</td><td>22</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>G10.4(L+)</td><td>14(18)</td><td>23</td><td colspan="10">K14.9(NF)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K14.9(NF)</td><td>14(18)</td><td>24</td><td colspan="10">H14.18</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>H14.18</td><td>14(18)</td><td>25</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>G10.4(L+)</td><td>14(20)</td><td>26</td><td colspan="10">K12.12(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K12.12(NA)</td><td>14(20)</td><td>27</td><td colspan="10">H14.20</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>H14.20</td><td>14(20)</td><td>28</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>G10.4(L+)</td><td>14(20)</td><td>29</td><td colspan="10">K12.13(NA)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>K12.13(NA)</td><td>14(20)</td><td>30</td><td colspan="10">H14.22</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td>H14.22</td><td>14(20)</td><td>31</td><td colspan="10">G10.4(L-)</td><td>5,2mm</td><td>ST 2,5</td><td>PHOENIX</td></tr><tr><td></td><td></td><td></td><td colspan="10"></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td colspan="10"></td><td></td><td></td><td></td></tr></table>																									REGUA: X3				PANEL: UTR				TIPO DE BORNE			DE:	POSIÇÃO	NÚMERO DO BORNE											LARGURA	MODELO	FABRICANTE	BT14.3(NF)	14(3)	1	RFF8.4(NA)										5,2mm	ST 2,5	PHOENIX	RFF8.4(NA)	14(3)	2	B14.3(NA)/K14.3(NA)										5,2mm	ST 2,5	PHOENIX	B14.3(NA)/K14.3(NA)	14(3)	3	K14.9(NF)										5,2mm	ST 2,5	PHOENIX	K14.9(NF)	14(3)	4	K12.9(NA)										5,2mm	ST 2,5	PHOENIX	K12.9(NA)	14(3)	5	K14.3(BOBINA)/H14.4										5,2mm	ST 2,5	PHOENIX	K14.3(BOBINA)	14(3)	6	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	S14.3	14(6)	7	K12.10(NA)										5,2mm	ST 2,5	PHOENIX	K12.10(NA)	14(6)	8	K14.9(NF)										5,2mm	ST 2,5	PHOENIX	H14.4	14(4)	9	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	RFF8.4(NA)	14(9)	10	B14.9(NA)/K14.9(NA)										5,2mm	ST 2,5	PHOENIX	B14.9(NA)/K14.9(NA)	14(9)	11	K14.3(NF)										5,2mm	ST 2,5	PHOENIX	K14.3(NF)	14(9)	12	K12.9(NA)										5,2mm	ST 2,5	PHOENIX	K12.9(NA)	14(9)	13	K14.9(BOBINA)/H14.10										5,2mm	ST 2,5	PHOENIX	K14.9	14(9)	14	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	S14.3	14(12)	15	K12.11(NA)										5,2mm	ST 2,5	PHOENIX	K12.11(NA)	14(12)	16	K14.3(NF)										5,2mm	ST 2,5	PHOENIX	H14.10	14(10)	17	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	S14.3	14(13)	18	K14.13(BOBINA)										5,2mm	ST 2,5	PHOENIX	K14.13(BOBINA)	14(13)	19	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	G10.4(L+)	14(15)	20	K14.3(NF)										5,2mm	ST 2,5	PHOENIX	K14.3(NF)	14(15)	21	H14.15										5,2mm	ST 2,5	PHOENIX	H14.15	14(15)	22	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	G10.4(L+)	14(18)	23	K14.9(NF)										5,2mm	ST 2,5	PHOENIX	K14.9(NF)	14(18)	24	H14.18										5,2mm	ST 2,5	PHOENIX	H14.18	14(18)	25	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	G10.4(L+)	14(20)	26	K12.12(NA)										5,2mm	ST 2,5	PHOENIX	K12.12(NA)	14(20)	27	H14.20										5,2mm	ST 2,5	PHOENIX	H14.20	14(20)	28	G10.4(L-)										5,2mm	ST 2,5	PHOENIX	G10.4(L+)	14(20)	29	K12.13(NA)										5,2mm	ST 2,5	PHOENIX	K12.13(NA)	14(20)	30	H14.22										5,2mm	ST 2,5	PHOENIX	H14.22	14(20)	31	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																
		REGUA: X3				PANEL: UTR				TIPO DE BORNE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DE:	POSIÇÃO	NÚMERO DO BORNE											LARGURA	MODELO	FABRICANTE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
BT14.3(NF)	14(3)	1	RFF8.4(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
RFF8.4(NA)	14(3)	2	B14.3(NA)/K14.3(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
B14.3(NA)/K14.3(NA)	14(3)	3	K14.9(NF)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.9(NF)	14(3)	4	K12.9(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K12.9(NA)	14(3)	5	K14.3(BOBINA)/H14.4										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.3(BOBINA)	14(3)	6	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
S14.3	14(6)	7	K12.10(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K12.10(NA)	14(6)	8	K14.9(NF)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
H14.4	14(4)	9	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
RFF8.4(NA)	14(9)	10	B14.9(NA)/K14.9(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
B14.9(NA)/K14.9(NA)	14(9)	11	K14.3(NF)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.3(NF)	14(9)	12	K12.9(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K12.9(NA)	14(9)	13	K14.9(BOBINA)/H14.10										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.9	14(9)	14	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
S14.3	14(12)	15	K12.11(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K12.11(NA)	14(12)	16	K14.3(NF)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
H14.10	14(10)	17	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
S14.3	14(13)	18	K14.13(BOBINA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.13(BOBINA)	14(13)	19	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
G10.4(L+)	14(15)	20	K14.3(NF)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.3(NF)	14(15)	21	H14.15										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
H14.15	14(15)	22	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
G10.4(L+)	14(18)	23	K14.9(NF)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K14.9(NF)	14(18)	24	H14.18										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
H14.18	14(18)	25	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
G10.4(L+)	14(20)	26	K12.12(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K12.12(NA)	14(20)	27	H14.20										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
H14.20	14(20)	28	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
G10.4(L+)	14(20)	29	K12.13(NA)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
K12.13(NA)	14(20)	30	H14.22										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
H14.22	14(20)	31	G10.4(L-)										5,2mm	ST 2,5	PHOENIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
RESP. TÉCNICO: ENG° MARCIO G. P. BRITO			DESENHO: SAMARA/RHENER			REVISÃO: 0			LOCALIZAÇÃO: SERRA – ES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
APROVADOR		NOME		EMPREENHIMENTO: BOOSTER BELVEDERE – SETOR SERRA SEDE										RESPONSÁVEL: GANEM ENGENHARIA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
GANEM Engenharia Ltda				TÍTULO: PROJETO DE AUTOMAÇÃO PAINEL UTR – BOOSTER BELVEDERE INTERLIGAÇÃO – BORNEIRA X3										BOOSTER BELVEDERE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DATA		03/2014		N° CESAN:		C-035-000-60-6-XX-0021		Arquivo:		FOLHA 17/21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									